

**FIRST BURIAL GROUND RESTORATION PROJECT**  
Walker Kluesing Design Group, Revised Cost Estimate: July, 2005

ITEM	Quantity	Unit	Unit Cost	Subtotal	Total	Revised	Total
<b>BASE BID</b>							
<b>Site Preparation</b>							
Install & Remove Filter Barrier	355	LF	\$5	\$1,775		\$1,775	
Remove Tree	6	EA	\$500	\$3,000		\$0	
Remove 6' CLF @ north and east property lines	472	LF	\$3	\$1,416		\$0	
Remove 6' CLF & Gate @ Park Street	70	LF	\$3	\$210		\$210	
Remove Metal Post	1	LS		\$100		\$100	
Remove Park Street Steps and Walk	1	LS		\$1,000	\$7,501	\$1,000	\$3,085
<b>Earthwork</b>							
Excavation and backfill	1	LS		\$1,800	\$1,800	\$1,800	\$1,800
<b>Paving and Surfacing</b>							
Bituminous Concrete in Cemetery	500	SF	\$4	\$1,750		\$1,750	
Bituminous Concrete WALK in Sidewalk	84	SF	\$4	\$294		\$294	
Granite Steps	85	LFR	\$120	\$10,200		\$10,200	
Handrail @ Steps	60	LF	\$60	\$3,600	\$15,844	\$3,600	\$15,844
<b>Site Improvements</b>							
6' CLF @ North & East property lines	472	LF	\$16	\$7,552		\$0	
New Stone Wall	60	LF	\$95	\$5,700		\$5,700	
Rebuild Stone Wall & Cap	92	FSF	\$50	\$4,600		\$4,600	
New Pedestrian Gate & Granite Posts	1	LS		\$18,000		\$18,000	
Clean Baldwin Obelisk/add fill @ base	1	LS		\$2,500	\$38,352	\$2,500	\$30,800
<b>Lawns &amp; Planting</b>							
Provide Topsoil and spread	30	CY	\$35	\$1,050		\$1,050	
Fine Grade & Seed	3,400	SF	\$0	\$1,360		\$1,360	
Deciduous Tree, 2.5" cal.	15	EA	\$750	\$11,250		\$0	
Evergreen Tree, 5-6' ht.	15	EA	\$350	\$5,250		\$0	
Fertilize Ex. Tree	3	EA	\$250	\$750		\$0	
Prune Ex. Tree	2	EA	\$500	\$1,000		\$0	
Support Cable for Ex. Tree	1	EA	\$300	\$300	\$20,960	\$0	\$2,410
Subtotal					\$84,457		\$53,939
General Conditions	0.15				\$12,668		\$8,091
					\$97,125		\$62,030
Contingency	0.102				\$9,875		\$6,327
<b>Subtotal</b>					<b>\$107,000</b>		<b>\$68,357</b>
<b>ALTERNATES</b>							
Repoint Park Street Wall	1,280	FSF	\$20	\$25,600	\$25,600	\$25,600	\$25,600
ID Sign @ Park Street	1	LS		\$6,000	\$6,000	\$6,000	\$6,000
Clean/Protective Coat Fowle Obelisk	1	LS		\$2,500	\$2,500	\$2,500	\$2,500
Field Stone Edging, Town Pound	75	LF	\$40	\$3,000		\$3,000	
Granite Edging, Town Pound	7	LF	\$70	\$490		\$490	
Sandblasted Letters	24	EA	\$25	\$600	\$4,090	\$600	\$4,090
R&R 6' CLF @ South property line	160	LF	\$19	\$3,040	\$3,040	\$0	\$0
R&R Existing Signs	1	LS		\$6,500	\$6,500	\$6,500	\$6,500
Subtotal					\$47,730		\$44,690
General Conditions	0.15				\$7,170		\$6,704
Subtotal					\$54,900		\$51,394
Contingency	0.093				\$5,100		\$4,780
<b>Subtotal</b>					<b>\$60,000</b>		<b>\$56,173</b>
<b>TOTAL</b>					<b>\$167,000</b>		<b>\$124,530</b>



# FIRST BURIAL GROUND RESTORATION PROJECT

City of Woburn, Massachusetts • John C. Curran, Mayor



The Baldwin Monument

gate, new granite stairs, a new concrete pathway, repairs to the Baldwin and Fowle obelisks, new interpretive signage, and other work.

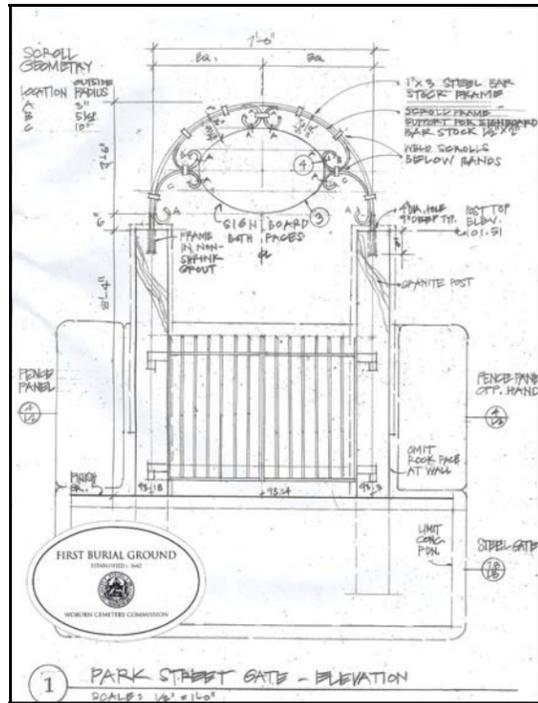
**Historical Background:** The First Burial Ground is one of the oldest landmarks in the City of Woburn. Opened when the town was founded in 1642, the site served as the community's principal cemetery until 1793, when a second yard was opened across the village center. As an historic landscape, the First Burial Ground has experienced surprisingly little change over the centuries. Of particular note is the fact that the headstones do not lie in symmetrical rows, as would be the typical practice of later church sextons in New England. The only encroachment appears to have been the laying out of Park Street in 1849, which resulted in the stone wall and town pound along that roadway, which still exist, though in substantially deteriorated condition. The graves thus displaced were relocated within the yard. The First Burial Ground is a unique and affecting

landscape that evokes the quiet serenity of an old English churchyard within the busy streetscapes of downtown Woburn.

**Summary:** Mayor John Curran has requested from the City Council a supplemental budget allocation of \$80,000, to serve as matching funds for a grant from the Massachusetts Preservation Projects Fund (MPPF). The grant of \$45,000 is for the First Burial Ground Restoration Project, which is administered by the Massachusetts Historic Commission. The scope of work will include the repointing of the stone wall along Central and Park Street, a new entry

It is true that there were a few interments after 1793, most notably Colonel Loammi Baldwin (1745-1807) and members of his immediate family in the ground's only tomb, located at the crest bordering Magazine Hill. This ancient burial yard is of great significance not only for the quality of its Plantation and Colonial pe-

riod headstones but because of the important personages who were buried here. Here lies Captain Edward Johnson (1598-1672), founder of the Town of Woburn and author of "The Wonder Working Providence of Zion's Savior in New England," the first printed history of New England (1653). The ancestors of Presidents Franklin Pierce, Grover Cleveland, Benjamin Harrison, Calvin Coolidge and Herbert Hoover are interred here. Daniel Thompson and Ashael Porter, casualties of the Battle of Lexington and Concord (1775) and fifteen Revolutionary War veterans are also buried within this ground. Porter was killed by the first fire of the British on Lexington Green. At the top of the hillside, dwarfing the old headstones can be seen a granite obelisk which marks the Baldwin family tomb. Here lies Colonel Loammi Baldwin, builder of the Middlesex Canal; propagator of the Baldwin Apple and Continental Army officer. Loammi Baldwin the Younger (1780-1838), called



the "Father of American Civil Engineering," builder of naval dry-docks, canals and turn-pikes, designer of the Bunker Hill Monument, and his brother James F. Baldwin (1782-1862) builder of the Boston and Lowell Railroad and the Boston Water System are also among the 13 Baldwins entombed within.

**Restoration Planning:** A preliminary evaluation of the restoration needs of the First Burial Ground was completed by the landscape architectural firm of Walker Kluesing

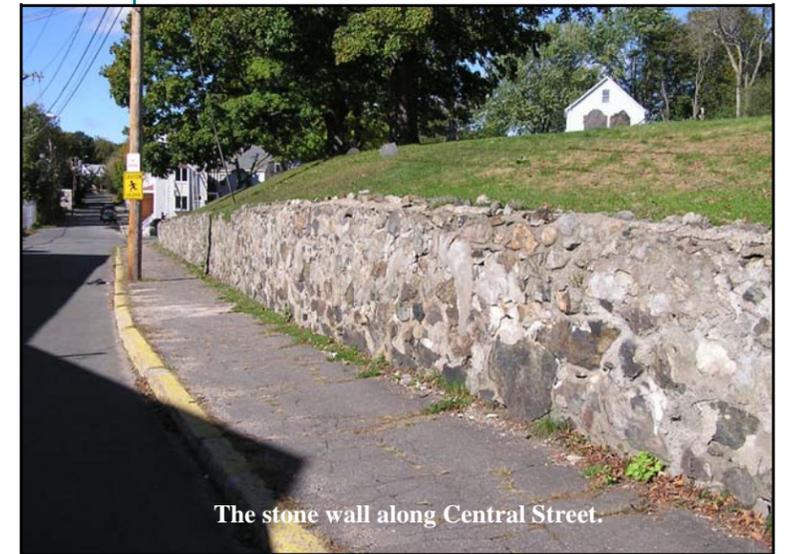
Design Group, as part of the Massachusetts Department of Environmental Management's FY 2001 Historic Cemetery Preservation Initiative.

A FY 2002 Historic Landscapes Preservation Grant for \$9,360 was awarded to the WRA, and used to retain the services of Walker Kluesing Design Group, to complete full plans, drawings, specifications and bid documents for the resto-

ration of the First Burial Ground, and to complete the necessary forms and documentation for the nomination of the site to the National Historic Register. For the latter task, Walker Kluesing retained the services of Shary Page Berg, Cambridge, Massachusetts, as a sub-consultant. The City of Woburn approved a matching amount of \$8,640 for this effort.

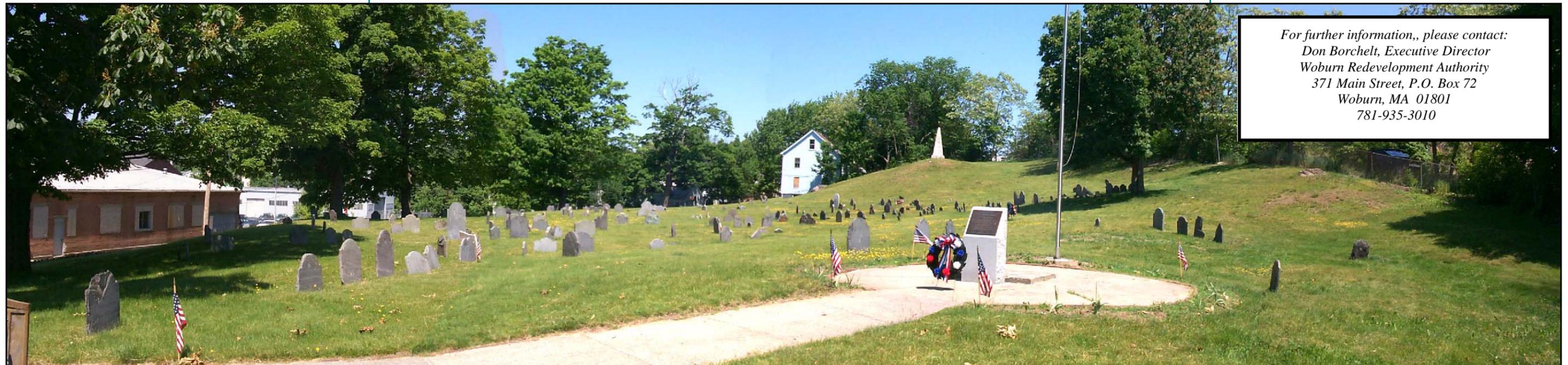
The design consultant completed draft construction drawings and specifications for the restoration project, which were reviewed at a public meeting held at the offices of the WRA on September 18, 2002. Those in attendance, including members of the Cemetery Commission and the Woburn Historic Commission, reviewed the plans and recommended some revisions and funding priorities, which were incorporated with the formal approval of the Cemetery Commission.

In June, 2004, Mayor Curran submitted an application, prepared by the WRA, to the Massachusetts Historic Commission, requesting \$90,000 from the MPPF program for the First Burial Ground Project. The nomination for the National Register of Historic Places was completed



The stone wall along Central Street.

by the consultant, and submitted at the same time. Both the grant and the nomination were approved by the Massachusetts Historic Commission in the Fall of 2004; however, the MPPF grant request was cut back to \$45,000. The budget and scope of work for the restoration project have been reduced accordingly, to reflect the both the reduction in funds and the escalation of construction costs generally. The planting improvements, and new fencing were the most significant items removed. The table on the following page shows the original and revised budget.



For further information, please contact:  
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