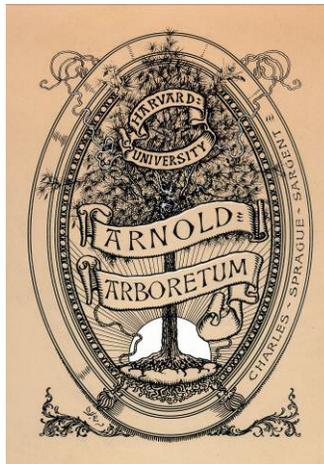


Archives I D-3c BSG

Bussey Street Gates project, 1997-2003: Guide



The Arnold Arboretum of Harvard University

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I D-3c BSG

Bussey Street Gates project, 1997-2003: Guide Archives of the Arnold Arboretum of Harvard University 125 Arborway, Jamaica Plain, Massachusetts

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Descriptive Summary

Repository: Arnold Arboretum, Jamaica Plain, MA 02130.

Call No.: I D-3c BSG

Location: Archives

Title: Bussey Street Gates project, 1997-2003

Date(s): 1997-2003

Creator: Brogna, Laura Tenny

Quantity: 2.66 linear feet; 9 boxes

Language of material: English

Abstract: This collection was created after the completion of the Bussey Street Gates project, a major gate restoration project undertaken by the Arboretum in 2002, affecting primarily the Bussey and Walter Street Gates. The collection is largely correspondence (letters, memoranda, and e-mails), submittals, plans, and contracts, and slides. The collection spans 1997-2003.

Note: Access to Finding Aid record in [HOLLIS](#).

Preferred Citation: Bussey Street Gates Project records. Archives of the Arnold Arboretum of Harvard University.

Additional material: More images of the gates may be found in [HOLLIS Images](#). Use search terms "Bussey [Street] Gates" or "Walter [Street] Gates."

Processing Information

Processed July 2011, Sara Beneman, revised Sheila Connor 2012, revised Larissa Glasser 2023, 2024.

Acquisition Information

Provenance: This collection was transferred to the Arboretum's Archives after the completion of the Bussey Street Gates project.

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Historical Note



Restored Walter Street Gate 2004

The Arboretum undertook a major gate restoration project in 2002, affecting primarily the Bussey and Walter Street Gates. Workers restored the stone walls and ironwork at the Walter Street gate, removed asphalt pavement within the Arboretum and replaced it with a stone dust pedestrian surfacing from Hemlock Hill Road to the Walter Street gate, repaired and rebuilt the perimeter stone

wall along the north side of Bussey Street from the Walter Street Gate to the Bussey Street Gate, and created a safer pedestrian crossing by installing a crosswalk and signs. They installed two new vehicular gates (stone piers and ironwork) on Bussey and Peters Hill sides and created pedestrian access at Bussey Street which was sympathetic in character to historic gates and walls. This upgraded access to both sides for both pedestrians and maintenance vehicles. They also realigned the gate opening on the north, or Hemlock Hill, side of Bussey Street to protect a mature oak tree and performed tree pruning and other collections maintenance to benefit the mature plantings in the area.

Laura Tenny Brogna, also Laura Tenny, manager of the restoration project, was a Putnam Fellow at the Arboretum before becoming the Landscape Project Manager from 1998-2004. A graduate of Harvard University's Graduate School of Design, she later worked as Capitol Projects Manager for Harvard Real Estate Services for Harvard University.



Laura Tenny Brogna

Julie Coop, Manager of Horticulture from 1997-2007, explained that almost all of the gates at the Arboretum have been repaired over time, and that repairs frequently

used pieces from other gates. This has resulted in some gates being more detailed than others, and many gates being a mix of old and new parts. The Walter Street gates are entirely new reproductions. The gate pieces that were stored beside the maintenance garage or at the Case Estates are now at the storage facility at 26 Arboretum Road, Roslindale. They may have originally come from Walter Street.

Scope and Content

This collection contains a variety of materials, largely correspondence (letters, memoranda, and e-mails), submittals, plans, and contracts. Prior to processing, items in series I-V were stored in folders within hanging files. The contents of folders have largely remained together, except in cases where the folders contained one or very few items. Items are arranged in chronological order within folders, with the oldest items being first. The contents of Series V, box 3, folder 5 were originally in a binder.

Series VI: Binders are stored individually in custom boxes. Correspondence was all generated by Laura Tenny Brogna, the Boston Parks and Recreation Department, and the Arnold Arboretum. The project manual was created by Carol R. Johnson and Associates. The invoices and other financial information were created by Laura Tenny Brogna, Carol R. Johnson and Associates, Bryant Associates, and various consultants. Everything in this series remains in its original order. Items are arranged chronologically within binders with the oldest items being towards the back of the binder.

Arrangement

The Records of the Bussey Street Gates Project, 1997-2003 collection is arranged in 6 series.

- Series I:** Correspondence and notes, 1997-2000
- Series II:** Bids and contracts, 1997-2002
- Series III:** Progress, 1999-2002
- Series IV:** Legal, 2001-2002
- Series V:** Plans, drafts, and submittals, 1999-2002
- Series VI:** Binders containing correspondence, project manual, construction progress slides 2001-2003

Container List

Series I: Correspondence and notes, 1997-2000

Box 1

Folder

1: Correspondence, 1997

- Letter of transmittal, Carol R. Johnson, August 7, 1997

2: Correspondence, 1999

- Walter St. Gate meeting, March 3, 1999

- Discussion of the alternative for the driveway/gate configuration, March 24, 1999
- Walter Street Gate Project, March 30, 1999
- Letter from Laura Tenny Brogna to Kathleen Wholley, April 2, 1999
- Notes, April 6, 1999
- Memorandum, April 13, 1999
- Memo from Laura Tenny Brogna to Kathleen Wholley, April 29, 1999
- Letter from Carol R. Johnson Assoc., May 27, 1999
- Letter from Carol R. Johnson Assoc., June 25, 1999
- Letter from Carol R. Johnson Assoc., July 9, 1999
- Gate handle drawing, July 9, 1999
- Project Team memorandum, July 14, 1999
- E-mail from George Oommen to Laura Tenny Brogna, July 14, 1999
- E-mail from Laura Tenny Brogna to George Oommen, July 14, 1999
- Letter from Kathleen Hickley to Paul Tyrell, July 14, 1999
- E-mail from Laura Tenny Brogna to Kathleen Hickley, July 14, 1999
- E-mail from George Oommen to Laura Tenny Brogna, July 15, 1999
- E-mail from Kathleen Hickley to Laura Tenny Brogna, July 19, 1999
- Letter from Laura Tenny Brogna to Bob [Cook], July 21, 1999
- E-mail from Laura Tenny Brogna to George Oommen, July 21, 1999
- Letter from Laura Tenny Brogna to George DeAngelis, July 21, 1999
- E-mail from Bob Cook to George Oommen, July 27, 1999
- E-mail from Bob Cook to Laura Tenny Brogna, August 9, 1999
- Memo, August 10, 1999
- BPRD (Boston Parks and Recreation Department) Meeting Agenda, August 13, 1999
- E-mail from Laura Tenny Brogna to Kathleen Hickley, August 20, 1999
- E-mail from Bob Cook, August 25, 1999

3: Correspondence, 2000-2001

- Phone log, January 26, 2000
- Phone log, February 2, 2000
- E-mail from Fran Beatty to Laura Tenny Brogna, March 23, 2000
- Letter from Kathleen Hickey to Laura Tenny Brogna, April 14, 2000
- E-mail from Fran Beatty to Laura Tenny Brogna, April 28, 2000
- E-mail from Kathleen Hickey to Laura Tenny Brogna, April 28, 2000
- Meeting notes, May 10, 2000
- E-mail from Laura Tenny Brogna to George Oommen, May 11, 2000
- E-mail from George Oommen to Laura Tenny Brogna, May 12, 2000
- Phone log, May 12, 2000
- Meeting minutes, July 19, 2000
- E-mail from Laura Tenny Brogna to George Oommen, July 24, 2000
- Meeting notes, July 27, 2000
- Bussey Street Gates "bullet points," August 4, 2000
- Letter from Robert Cook to Carol R. Johnson, August 15, 2000

- Memo from Laura Tenny Brogna, August 24, 2000
- Bussey Street Gates meeting notes, August 29, 2000
- E-mail from Laura Tenny Brogna to George Oommen, September 11, 2000
- South Street Tract conversation with Nina Brown, September 12, 2000
- Phone log, September 13, 2000
- Note, September 15, 2000
- E-mail from Bob Cook to Laura Tenny Brogna, September 16, 2000
- Memo from Laura Tenny Brogna to George Oommen, September 25, 2000
- Memo from Laura Tenny Brogna to George Oommen, September 25, 2000
- E-mail from Bob Cook to Laura Tenny Brogna, September 26, 2000
- E-mail from Uma Sankar to Laura Tenny Brogna, October 25, 2000
- E-mail from Bob Cook to Laura Tenny Brogna, October 30, 2000
- Memo from Laura Tenny Brogna to Kristine McReavy-Kenney, November 2, 2000
- Letter from Kristine [McReavy-Kenney] to Laura Tenny Brogna, November 6, 2000
- Letter from Kristine [McReavy-]Kenney to Laura Tenny Brogna, November 7, 2000
- Letter from Kristine Kenney to Laura Tenny Brogna, November 8, 2000
- Letter from Kristine Kenney to Laura Tenny Brogna, November 13, 2000
- E-mail from Laura Tenny Brogna to Kristine Kenney, November 15, 2000
- Letter from Kristine Kenney to Laura Tenny Brogna, November 16, 2000
- Notes
- E-mail from Laura Tenny Brogna, November 22, 2000
- E-mail from Laura Tenny Brogna to Roe Scott, November 22, 2000



Renovated Walter Street Gate, 2002

- E-mail from Bob Cook to Margaret H. Morton, November 30, 2000
- Phone log, November 30, 2000
- E-mail from Scott Roe to Laura Tenny Brogna, December 4, 2000
- E-mail from Laura Tenny Brogna to Bob Cook, December 5, 2000
- Letter from Laura Tenny Brogna to Kristine Kenney, December 5, 2000

- Letter from Laura Tenny Brogna to Kristine Kenney, December 5, 2000
- Phone log, December 6, 2000
- Letter from Laura Tenny Brogna to Kristine McReavy Kenney, December 11, 2000
- Memo from Laura Tenny Brogna to Scott Roe, December 14, 2000
- Phone log, December 18, 2000
- Notes from meeting with BTB, December 19, 2000
- E-mail from Bob Cook to Laura Tenny Brogna, December 20, 2000
- Phone log, December 21, 2000
- E-mail from Bob Cook to Laura Tenny Brogna, June 28, 2001

4: Notes, 1998-2001

- Notes, December 9, 1998
- Notes, January 25, 1999
- Walter Street Gate notes, January 27, 1999
- Draft, January 27, 1999
- Walter Street Gate meeting, February 9, 1999
- Walter Street Gate, February 1999
- Walter Street Gate project, April 21, 1999
- Memo, April 22, 1999
- Walter Street Gate project, April 27, 1999
- Walter Street Gate project, April 29, 1999
- Walter Street Gate project, May 5, 1999
- Notes, June 1999
- Walter Street Gate project, June 23, 1999
- CRJA [Carol R. Johnson Assoc.] meeting, June 23, 1999
- Walter Street Gate project, July 6, 1999
- Walter Street Gate project, July 7, 1999
- Bussey conservation committee, July 8, 1999
- Walter Street Gate project, July 14, 1999
- Meeting, July 19, 1999
- Visit to DeAngelis foundry, July 20, 1999
- Meeting, July 22, 1999
- Conversation, July 23, 1999
- Conversation, July 28, 1999
- Phone log, August 9, 1999
- Phone log, August 9, 1999
- Items for BPRD meeting, August 13, 1999
- Meeting with BPRD, January 28, 2000
- Bussey Street Gates: project outline
- Bussey St. Gates, March 7, 2000
- Bussey St. Gates, April 4, 2000
- Bussey St. Gates, April 10, 2000
- Bussey St. with Bob + Peter, May 2000
- Bussey St. Gates, May 19, 2000

- Bussey St. with Fran B., June 21, 2000
- Bussey St. Gates: pre-meeting coordination, August 2, 2000
- Bussey St. Gate, August 14, 2000
- Notes, October 5, [2000]
- Notes, November 2000
- Brown + News: Gates, November 13, 2000
- Bussey St. Gates, November 29, 2000
- Cost estimate site meeting, March 19, 2001
- Notes, May 23, 2001
- Meeting notes, November 20, 2001
- Meeting notes, December 2001
- Notes, October 11
- Trace paper drawing

Series II: Bid and Contracts, 1997-2002

Box 1

Folder

- 1:** Lee Kennedy Co., Inc. Bid, 2001
 - Qualifications and assumptions
 - Bid review, December 7, 2001
 - Facsimile transmission, revised proposal form, December 13, 2001
- 2:** Lee Kennedy, Co., Inc. Draft Contract, 2001-2002
 - Contract, with addenda, December 21, 2001
 - Attachment 1 to contract
 - Letter of intent, January 3, 2002
- 3:** Bussey Street Gates Contract with Lee Kennedy Co., Inc., with addenda, August 20, 2001
- 4:** Proposals/contacts, Bussey Street Gates consultants, 1997-2001
 - Revised schematic and cost estimate for Bussey Street Gates, August 6, 1997
 - Proposal for landscape architectural services, January 13, 1999
 - Proposal for landscape architectural services [draft], March 4, 1999
 - Proposal for landscape architectural services, March 5, 1999
 - Proposal for environmental permitting services, July 21, 1999
 - E-mail from Bob Cook to Laura Tenny Brogna, May 5, 2000
 - Memo from Laura Tenny Brogna to George Oommen, September 15, 2000
 - Phone log, October 2, 2000
 - Invoice memo, October 13, 2000
 - Letter from Carol R. Johnson to Bob Cook, October 16, 2000
 - Proposal for additional field study work, January 9, 2001
 - Proposal for additional services, May 2, 2001
 - Notes, May 2, 2001
- 5:** Proposals/contacts, Bussey Street Gates consultants, 2001-2002
 - Proposal for landscape architectural services for revised design. Carol R. Johnson. September 12, 2000
 - Carol R. Johnson contract, Bussey Street Gates, August 8, 2001

- E-mail from Laura Tenny Brogna to Kate Loosian, August 28, 2001
- Draft TFS proposal, October 26, 2001
- Transmittal to Laura Tenny Brogna, December 17, 2001
- E-mail from Kristine Kenney to Kate Loosian, December 19, 2001
- E-mail from Bob Cook to Laura Tenny Brogna, December 20, 2001
- Proposal for revised gravel walk, January 11, 2002
- Engineering review of structural drawings, March 18, 2002
- Proposal for bidding and construction observation phases, March 26, 2002
- Testing services, Bussey Street Gates, April 11, 2002
- Proposal for Public Improvement Commission discontinuance plan, October 30, 2001
-

6: Cost estimates, Bussey Street Gates, 1999-2001

- Cost estimate, Bussey Street Gates, April 13, 1999
- Revised prices, June 12, 2000
- E-mail from Bob Cook to Laura Tenny Brogna, October 11, 2000
- E-mail from Laura Tenny Brogna to Blair Banker, November 27, 2000
- E-mail from Laura Tenny Brogna to Bob Cook, January 23, 2001
- Arboretum footpath, April 3, 2001
- Memo from Steven L. Pepe to Laura Tenny Brogna, April 17, 2001



Gates at the Arboretum before any ironwork, 1898

- Bussey Street Gates transmission from Main Street Metal Products, May 9, 2001
- E-mail from Laura Tenny Brogna to Kristine Kenney, May 18, 2001
- Cost estimate, Bussey Street Gates, June 22, 2001
- Notes, Bussey Street Gates, July 1, 2001
- Proposal form, October 2001
- E-mail from Laura Tenny Brogna, December 6, 2001

- E-mail from Cynthia Jensen to Malaina Bowker, Epsilon Associates regarding total cost of gate projects. The e-mail was transferred to this collection from the Institutional Master Plan collection. March 3, 2006

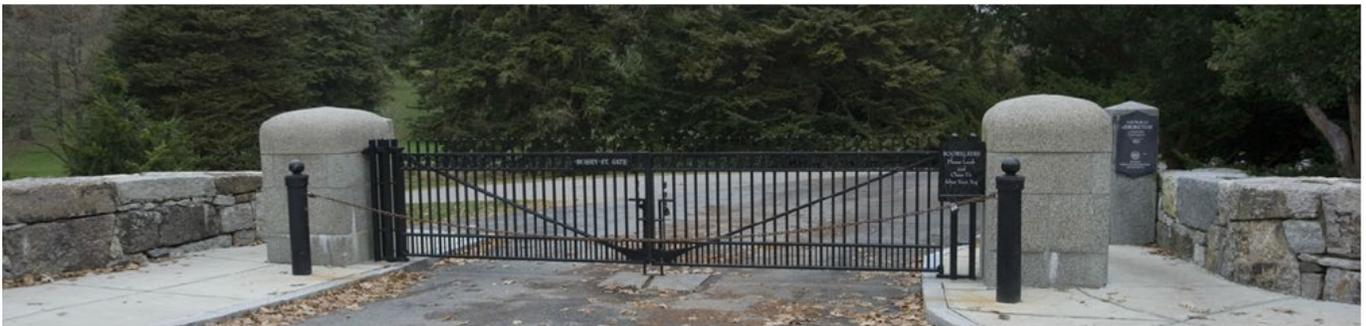
Box 2

Series III: Progress, 1999-2002

Folder

1: Schedules, 1999-2001

- Photographs, Walter St. Gate, April 1999
- Memorandum, July 14, 1999
- Revised schedule, July 19, 1999
- Schedule, November 21, 2000
- Schedule, November 27, 2000
- E-mail from Laura Tenny Brogna to Bob Cook, January 25, 2001
- E-mail from Bob Cook to George Oommen, January 26, 2001
- E-mail from Laura Tenny Brogna, April 30, 2001
- Notes, April 30, 2001
- Notes, May 1, 2001
- Draft schedule notes, June 2001
- Draft schedule, June 18, 2001
- E-mail from Kristine Kenney to Laura Tenny Brogna, June 19, 2001
- E-mail, Laura Tenny Brogna, June 27, 2001
- Agenda, September 6, 2001
- E-mail from Kate Loosian, September 17, 2001



Renovated Bussey Street Gate 2004

2: Public Improvement Commission reports, 2000-2002

- Boston Public Improvements Commission (PIC) review, May 3, 2000
- Meeting notes, July 19, 2000
- PIC submission, May 30, 2001
- Specific repair plan, June 4, 2001
- Letter from Frances G. Beatty to Vincent Leo, June 14, 2001
- Boston Parks and Recreation Department, June 14, 2001
- Bussey and Walter Streets PIC, June 21, 2001
- Notes
- Bussey and Walter Streets PIC, June 25, 2001
- E-mail from Laura Tenny Brogna to George Earle, July 3, 2001
- Engineering report, July 3, 2001
- PIC public hearing, July 5, 2001

- DPW meeting, August 29, 2001
 - Specific repair plan, January 10, 2002
 - Discontinuance plan, January 18, 2002
 - PIC discontinuance plan, January 23, 2002
 - PIC orders for specific repairs, March 13, 2002
 - Memorandum, March 28, 2002
- 3:** Engineering report: specific repairs to Walter and Bussey Streets, West Roxbury, July 3, 2001
- 4:** Engineering report for the discontinuance of portions of Walter Street and Bussey Street in West Roxbury, February 8, 2002

Box 2

Series IV: Legal, 2001-2002

Folder

- 1:** Bussey Street Gates legal documents, 2001-2002
- Bussey Street Gates Addendum #1, bid papers, November 27, 2001
 - Bussey Street Gates permit, March 28, 2002
- 2:** Massachusetts Architectural Access Board (MAAB)

Series V: Plans, drafts, and submittals, 1999-2002

Folder

- 1:** Draft specs, 1999-2001
- Scheme 'A'. Carol R. Johnson Associates. July, 1999
 - Proposed Scheme 'B'. Carol R. Johnson Associates. August, 2000
 - Proposed gate. Carol R. Johnson Associates. August, 2000
 - Pier and wall elevation. Carol R. Johnson Associates. July, 1999
 - Bussey Street Gates project manual, July 16, 1999
 - Bussey Street Gates plans, details, and specifications, February 20, 2001
- 2:** Bussey Street Gates submittals, 2002
- Site work submittals, March 4, 2002
 - Paving submittals, March 7, 2002
 - Granite sample, March 8, 2002
 - Sitework submittals, March 20, 2002
 - Stone samples, March 21, 2002
 - Stone shop drawings, March 21, 2002
- 2A:** Bussey Street Gates submittals, 2002
- Granite sample (physical sample)
- 3:** Boston Water and Sewer Commission (BWSC) approval submittals, 2002
- Bussey and Walter Streets, Installation of storm drain pipes plans, April 4, 2002
 - Site review plan, April 10, 2002
 - Attn. site review plan #02102, May 3, 2002
 - BWSC site review plan #02102, May 15, 2002

**Box 3
Folder**

- 1:** Layout, 1999-2001
 - Revised layout studies, Scheme 'A,' July 1999
 - Revised layout studies, trace paper, August 2001
 - Layout plan progress, December 12, 2000
 - Layout sketches from Bussey Street Gates working drawings
- 2:** Walter Street alternates, 2002
 - Parking alternates at Walter Street, April 16, 2002
 - Revised Walter St. edge, April 17, 2002
 - Conceptual access plan, April 29, 2002
 - Curves curb data, May 2, 2002
 - Gate leaf details
- 3:** Gate shop drawings, revisions, 2000-2001
 - Further revisions to metal gate shop drawings, August 24, 2000
 - AIA-B141 and Proposal for Environmental permitting contracts, November 27, 2000
 - Further revisions/clarifications to gate shop drawings, January 24, 2001
 - Revisions to bollard shop drawing, January 25, 2001
- 4:** Plans, 2001
 - Redline, 100%, January 24, 2001
 - Redlines, 50%, February 12, 2001
 - Section: gravel paving at service road
 - Construction sign
- 5:** Notice of Intent, Bussey Street Gates improvements, February 6, 2001

Series VI: Binders, 2001-2003

- Correspondence, project manual, construction progress slides 2001-2003, housed in 7 boxes



Renovated Walter Street Gate 2004

- Box 4** Correspondence, 2001
- Box 5** Correspondence, January-April 2002
- Box 6** Correspondence, May-June 2002
- Box 7** Correspondence, July 2002-May 2003
- Box 8** Project manual: Bussey Street Gates
 - Park Commission correspondence, 2002
- Box 9** Financial information, 2001-2002
- Box 10** Construction Progress Slides
 - Consists of 10 sheets of slides containing 145 slides accompanied by 6 pages of description (scans of descriptions follows)

13. clearing for new gate, north side of Bussey Street
14. site prep and stump removal, north side of Bussey Street
15. clearing for new gate, north side of Bussey Street
16. clearing for new gate, north side of Bussey Street
17. view towards Peters Hill, existing (pre-construction) conditions
18. Clearing north side of Bussey Street for new gateway
19. existing (pre-construction) conditions at north gate, note oak behind chain link fence, to remain
20. old north gate visible to left of oak, new north gate area cleared to right of oak
21. Walter Street gate existing conditions, pre-construction. Note asphalt road through gate.
22. Walter Street pedestrian gate before removal, refinishing, and reinstallation. Gate is not operable prior to refinishing & will remain fixed in closed position following re-installation.
23. View from Walter Street gate towards Hemlock hill.
24. Walter Street gateway area pre-construction—view of back of Puddingstone wall.
30. compacting grade in trench adjacent to Bussey Street sidewalk, in prep for pouring concrete wall foundation
31. cleared area of new Bussey Street gate, north side
32. stockpiled stone from demolished Bussey Street wall (mix of granite & puddingstone). Awaiting installation of concrete footing before rebuilding wall along Bussey Street.

1. Granite stockpiled at north gate for Bussey St walls. Concrete cores for gate piers in place.
2. Granite stockpile; view toward Walter St gate before asphalt road removal
3. New granite wall (built by M.F. Masonry) at Bussey Street north gate
4. View toward Walter Street gate before asphalt removal; puddingstone & granite stockpile @ right
5. Walter Street gate: existing conditions with asphalt road through gate, plus stockpiled materials
6. Walter Street gate; view from Walter Street. Pre-construction at Walter Street end of project.
7. Walter/Bussey Street intersection; M.F. Masonry red carpool van.
8. View of Walter St. gate from Walter Street, prior to construction @ Walter St gate.
9. M.F. masons of Portsmouth, RI rebuilding Bussey Street stone wall
10. Rebuilding Bussey Street stone wall (combination of granite and puddingstone)
11. Bussey Street wall; Lee Kennedy site supervisor Paul McDonald in dark gray sweatshirt @ right.
(Lee Kennedy Co. of Boston, MA is general contractor on the job.)
12. Concrete core for granite gate pier, north side. View towards Peters Hill gateway; old metal auto gates still in use.
13. Chipping down top of concrete gate pier foundation; was poured too high. Concrete footing for wall
14. Concrete core of gate pier, concrete foundation for stone wall to close off old north entrance. Note existing cobble curb at mouth of old north gateway.
15. Concrete cores for granite gate piers at north entry, looking into Arboretum.
16. View from Peters Hill, fence posts with vines remain where chain link has been removed.
17. Looking across Bussey Street: new north gateway on left of oak, old gateway on right.
18. View of rebuilt Bussey Street stone wall from Peters Hill.
19. View of north gateway across Bussey Street; construction dust
20. Temporary pedestrian ramp: Bussey St to Hemlock Hill Rd, built at Boston Traffic Dept's request.
21. Concrete footing of Bussey St wall to close off old north entrance. Old asphalt road to be removed.
22. Demolition of old north gateway; green metal auto gate and concrete footing stockpiled for disposal.
23. Remnants of sidewalk and chain link fence leading to old north gate; oak tree on left to remain.
24. Concrete footing in preparation for new stone wall at Bussey St north gate
25. excavated granite post from old north gate; to be reset at new north gate. One monumental piece of stone! (Note: for easier installation, stone footing was cut down in length and shortened post set in concrete footing at new north gate.)

1. north gate in progress, prior to excavation of roadbed to subgrade for installation of base material
2. New stone wall at north gate, by M.F. Masonry of Portsmouth, RI
3. Masons building stone wall to close off old north entrance; loader is in mouth of old north driveway
4. Masons building stone wall on Bussey Street; note poured concrete footing installed under length of new & rebuilt Bussey St. wall
5. Walter Street gate stockpile area; note sand for mortar and red mortar mixing machine
6. Sand stockpile at intersection of Walter/Bussey Streets
7. Remnant of old puddingstone wall at Walter St, to be rebuilt
8. End of rebuilt Bussey St. wall @ intersection of Walter St. Concrete footing ends here @ transition back to puddingstone walls. Note condition of asphalt sidewalk before repaving.
9. Rebuilt Bussey Street wall, north side. Note end of concrete footing where wall changes from granite/puddingstone to remnants of pre-existing puddingstone wall (with rubble foundation).
10. Transition from rebuilt combo granite/puddingstone wall on Bussey Street to remnant puddingstone rubble wall on Walter Street (to be repaired in place—no disturbance to rubble footing)
11. New Bussey Street wall across demolished north entrance; red McCabe machine is sitting on roadbed of old north gate; note remnant chain link fence where edge of sidewalk used to be.
12. sim to #11
13. Excavating to subgrade at new north gate. Poured concrete gate pier and gate footing in place.
14. Temp. pedestrian ramp in place at end of Bussey Street stone wall (across old north gate)
15. Excavating to subgrade at new north gate.
16. Excavating to subgrade at new north gate.
17. Excavating for sidewalk near Bussey/Walter St. intersection
18. Concrete catch basin structures (for stormwater), waiting for installation in Walter Street. Granite curb stockpile.
19. Bussey Street, excavating for new asphalt sidewalk
20. Installing & compacting road base material (dense graded crushed stone) from north gate to Hemlock Hill road.
21. Staking grades at north gate
22. Loose subgrade of old roadbed; note how old AA road was built on puddingstone rubble foundation. Red machine is screening rocks from fill.
23. Remnants of demolished roadbed and stone wall next to oak, from old north gate
24. Demolished roadbed of old north gate; temp pedestrian ramp into AA beyond yew.
25. Spreading road base material; compacting to proper subgrade; reset rim of sewer manhole to new higher elevation.
26. Stockpiled vertical granite curb at Walter Street gate, for installation in Walter Street.
27. Walter Street gate used for stockpile area; existing road conditions before demolition/construction.

1. John Brennan of Lee Kennedy Co., digging in Bussey St sidewalk subbase to check material/depth
2. checking whether sidewalk subbase depth & material meets specifications & drawings
3. checking whether sidewalk subbase depth & material meets specifications & drawings
4. checking whether sidewalk subbase depth & material meets specifications & drawings
5. pavement sawcut & removed from Bussey Street north gateway, note large oak in ctr to remain
6. Bussey Street north gateway in progress; concrete cores for new gate piers in place
7. laying curb in Bussey Street at new north gateway; new vertical meets exst'g sloped cobble curb
8. preparation for new Bussey Street sidewalk
9. Old Hemlock Hill roadbed removed near north gate; sewer manhole to be reset
10. contractor's temporary rubble stockpile in dump; for disposal
11. Bussey Street during construction of new north gate
12. Bussey Street sidewalk, north side
13. Roadbed of old north gate following asphalt removal, new wall at Bussey Street to close off entry
14. Mock-up concrete panel for sidewalks around new gates
15. Newly paved Bussey Street sidewalk & rebuilt wall. Unfinished wall end in foreground is waiting for resolution of Walter Street layout and wall radius
16. View into site from Hemlock Hill road. Note large oak in center; new north gate design moves roadway from one side to the other
18. Peters Hill roadway following asphalt removal
19. View from Peters Hill to new north gateway
20. Demolition of Peters Hill sidewalk in preparation for new curb/sidewalk layout
21. Peters Hill roadway following asphalt removal
22. Base coat asphalt paving of Hemlock Hill road to new north gate @ Bussey Street
23. View down Bussey Street: north gate on right, Peters Hill on left. Rebuilt stone wall on right side.
24. Looking down Peters Hill road. Rebar and yellow tape are locations of new gate piers.
25. Removing existing road base material on Peters Hill in preparation for new roadbed & grades
26. Rebar formwork for concrete core of new granite gate post, Peters Hill.
27. Rebar formwork for concrete core of opposite granite gate post, Peters Hill.
28. North gateway awaiting granite capstones at piers and more concrete sidewalk poured
29. Stockpiles, looking towards Walter St. gate

1. surveying Peters Hill roadway to set new grade, following asphalt removal of old road
2. Bob from McCabe (subcontractors) surveying Peters Hill roadway to set new grade.
3. surveying Peters Hill roadway to set new grade
4. Peters Hill, edge of new roadway staked out
5. Peters Hill: setting new cobble curb at road's edge
6. Peters Hill: setting new cobble curb at road's edge
7. Peters Hill: setting new cobble curb at road's edge
8. concrete cores for new granite-faced gate posts, Peters Hill
9. setting granite curb, Bussey Street at Peters Hill
10. sub-base material for Bussey Street sidewalk
11. setting curb at Bussey Street; concrete core of new gate pier
12. setting curb, Peters Hill/Bussey Street
13. grading Peters Hill roadway; granite gate pier before installation of capstone
14. setting subgrade of Peters Hill road. New cobble curb
15. base material for Peters Hill road
16. granite-faced gate pier; waiting for solid granite capstone
17. vibrating compactor; setting sidewalk subgrade at Bussey Street
18. granite-faced gate pier; face stones attached to concrete core by steel anchor clips
19. view towards Peters Hill across Bussey Street
20. view towards Walter Street gate
21. North side (opposite Peters Hill) Bussey Street gateway in progress

5. Peters Hill gate post stumps—gate burned off and removed for refabrication by DeAngelis Iron.
6. Peters Hill gate after being burned off its posts for refabrication—pieces not assembled right.
7. Peters Hill with base coat paving installed. Right gate leaf has been removed for refabrication.
8. Bussey Street North Gate. Field Super Paul McDonald in black shirt. Survey/engineer Bob from McCabe in light gray. McCabe worker in orange shirt.
9. View towards Walter St gate. Cobble swale uncovered, stonedust path being installed.
11. Existing cobble swale excavated from under asphalt road to gate. New stonedust path.
12. Installation of asphalt sidewalks at Walter Street gate.
13. Asphalt sidewalks and granite curb installation at Walter St. gate.
14. Sidewalk paving at Walter Street gate.
15. Sidewalk paving at Walter Street gate.
16. Sidewalk paving at Walter Street gate.
17. Bollard installation at Walter Street gate.
18. New stonedust path at Walter Street gate.
19. Bussey Street gate, north side. Base coat asphalt paving complete.
28. CRJA landscape architect Kristine Kenney and LKCo site super Paul McDonald measuring for vertical granite curb, following 9/23 storm damage to stonedust path.
29. Measuring for vertical granite curb.
30. Erosion damage to stonedust path from street runoff, 9/23 storm.
31. Erosion damage to stonedust path from street runoff, 9/23 storm.
32. Kristine Kenney reviewing recent work.
33. Hydroseeding near north Bussey St. gate.
34. Limit of work at junction with Hemlock Hill Road. Recent hydroseeding.
35. Bussey Street north gate & view to Walter St. gate, following hydroseeding.
36. Bussey Street gates, north side and Peters Hill, after top coat asphalt paving and recent hydroseeding of lawn areas.
37. Peters Hill gate from opposite (north) side Bussey Street.