

EXISTING SIGN  
SMALLPOX MONUMENT

NEW FENCE OPENING  
EXISTING SIGN

COURT STREET

OLIVER CHAFFEE,  
ADA CHAFFEE

MAYFLOWER MONUMENT  
DESIER COWING

**LEGEND**

-  DENUDED GROUNDCOVER
-  NEW STABILIZED STONE DUST PATH
-  NEW TRAIL
-  EX. TRAIL
-  NEW EROSION REPAIR
-  NEW PLANTING
-  NEW LAWN
-  NEW 6' BENCH & COMPANION SPACE
-  NEW INTERPRETIVE SIGN
-  EX. SIGNS
-  SIGNIFICANT MONUMENTS/MEMORIALS
-  NEW TRAIL MARKER
-  TEMPORARY SNOW FENCE

REPAIR EXISTING GRANITE POST AND RAILINGS  
RELOCATE EXISTING SIGN  
RELOCATE EX. FENCE RAIL



\*NOTE: PATH/TRAIL LOCATIONS ARE APPROXIMATE

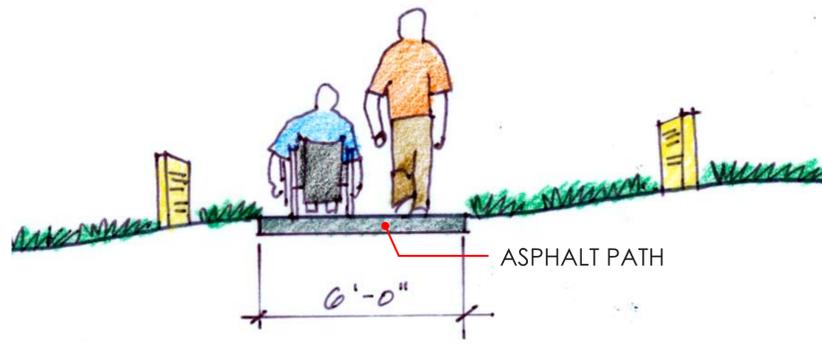
FINAL SCHEMATIC DESIGN PLAN

**WINTHROP STREET CEMETERY**  
PROVINCETOWN, MA

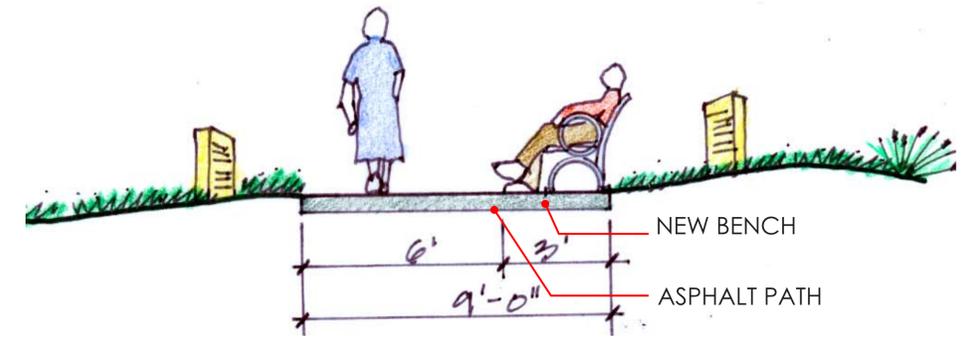


JUNE 5, 2015

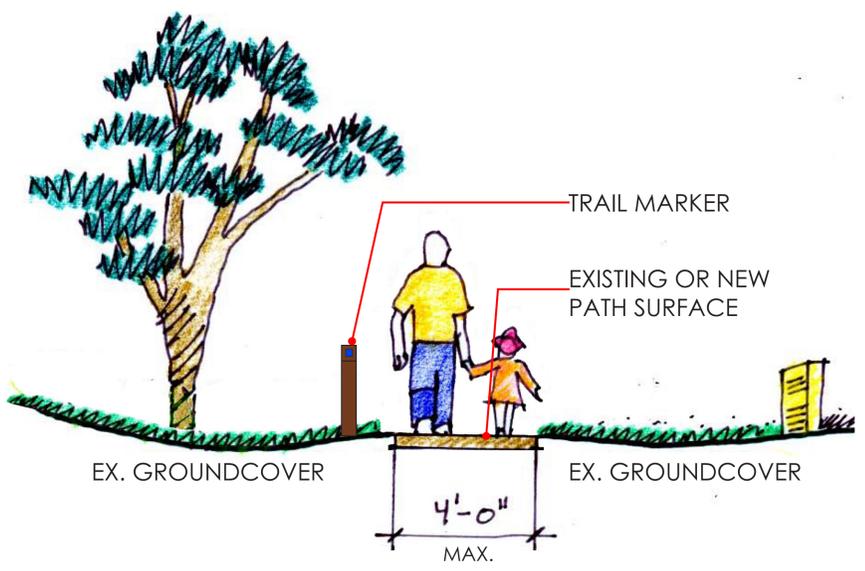




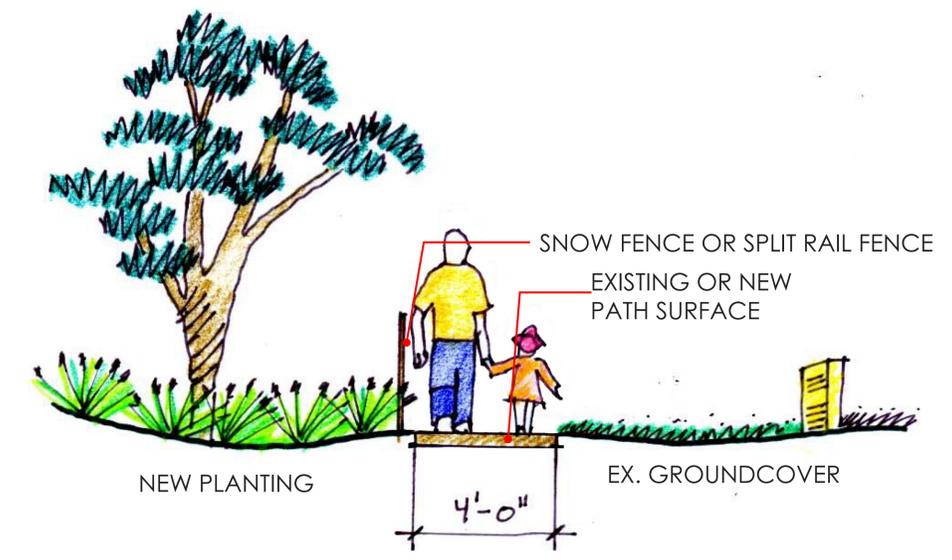
ADA PATH  
1/2"=1'-0"



ADA PATH WITH BENCH  
1/2"=1'-0"



INFORMAL TRAIL  
1/2"=1'-0"



INFORMAL TRAIL AT NEW PLANTING  
1/2"=1'-0"

PATH AND TRAIL ALTERNATIVES

**WINTHROP STREET CEMETERY**  
PROVINCETOWN, MA



JUNE 5, 2015





SNOW FENCE



SPLIT RAIL FENCE



NARROW SAND TRAIL



GRANNITE BENCH WITH METAL HANDHOLDS



INTERPRETIVE SIGNAGE



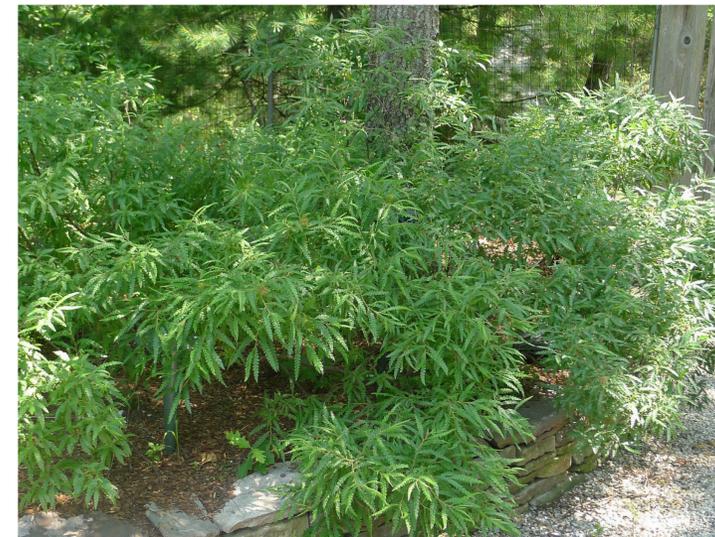
TRAIL MARKER



AMERICAN BEACHGRASS



LITTLE BLUESTEM



SWEET FERN

MATERIAL IMAGES

**WINTHROP STREET CEMETERY**  
PROVINCETOWN, MA



JUNE 5, 2015





RAY DUNETZ  
**LANDSCAPE**  
ARCHITECTURE

RAYDUNETZ.COM  
179 Green Street  
Boston MA 02130  
T 617.524.6265  
F 617.522.5029  
rd@raydunetz.com

June 05, 2015

Michelle Jarusiewicz  
Town of Provincetown  
Acting Assistant Town Manager, Community Housing Specialist, & Grant Administrator  
Town of Provincetown  
260 Commercial Street  
Provincetown, MA 02657

Re: Winthrop Street Cemetery Final Schematic Design Narrative

Dear Michelle:

The following narrative briefly explains our Final Schematic Design Plan, sections, material images and estimate for Winthrop Street Cemetery.

#### GENERAL COMMENTS

Due to the limited budget of this project, the Committee will need to establish priorities for site improvements. Our Schematic Design Plan addresses the Dune Restoration, Cemetery Entrances and Paths, and Sign Program project goals described in the Master Plan of Winthrop Street Cemetery by Martha Lyons.

The existing survey used in the Master Plan was taken from aerial photography and is not accurate. The location of headstones and topographical contours are approximate. This becomes particularly problematic in the layout of new accessible paths which need to remain clear of headstones and cannot exceed a 1 foot in 20 feet slope. For the purposes of our Schematic Design, RDLA updated this survey by correctly locating the headstone locations at the lower portion of the site using imagery from Google Earth.

#### PROJECT 3 – DUNE RESTORATION

Repairing all of the dune erosion in the Cemetery is cost prohibitive. Where the erosion is most severe at the top of the dune, the Schematic Design indicates erosion repair using new sand fill, jute mesh, coir rolls and planting. This is where visitors take advantage of the views to the Pilgrim Memorial.

The Schematic Design also suggests replanting both ends of steep paths to deter people cutting through the cemetery over the dune from Court Street to Winthrop Street. Blocking these pedestrian paths with snow fencing will allow the denuded slopes to naturally revegetate themselves over time. The following describes dune restoration.

- Erosion repair at the top of the dune
- New snow fencing at the top of the dune to prevent further dune damage
- Planting and snow fencing at each end of the cut through paths
- Minimal planting along the new trail edges where the surface is denuded

## PROJECT 4 – CEMETERY ENTRANCES AND PATHS

Pathway – The Schematic Design depicts a six foot wide path connecting the existing entrances at Winthrop Street and the west end of the cemetery. This will be a stabilized stone dust path.



Existing Entrance

The existing fence opening at the Winthrop Street entrance is centered on a small existing headstone [1] and the current sign location prohibits a path from passing through. In the Schematic Design Plan, RDLA suggests moving the sign [2] to correct this problem.

New benches with companion wheelchair spaces are located along the stone dust path for visitors. The path provides direct access to the Cowing headstone and Smallpox Memorial. Based on the aerial survey, existing slopes to the Mayflower Mayflower Monument exceed compliance with ADA regulations. A topographical survey would be beneficial to verify these slopes.



New Entrance

Trails – RDLA provides loop trails through the cemetery which pass the Mayflower Monument and Chaffee headstones. The goal of our trail layouts is to provide access throughout the Cemetery to visitors while protecting the dune environment and existing stone monuments from further damage. We generally propose locating the trails on existing areas of denuded groundcover to limit the amount of additional trail work required.

We do not believe the proposed pine needle trail is feasible for the Town from a maintenance point of view. Therefore we propose maintaining the existing sand trails to remain. In the Schematic Design plan we suggest planting to reinforce the trail edges. We also propose marking the trails with small pressure treated posts marked with a small sign so visitors can navigate through the cemetery. The marker posts would allow new trails to be formed where there is existing lawn. Alternatively new trails exposing the sand can be edged into the lawn. Trail locations should be considered approximate.

## PROJECT 5 – SIGN PROGRAM

We are proposing an interpretive sign that would match King's Chapel and The Granary Burying Ground in the City of Boston. The Town has used Interpretuff signs in the past and is satisfied with their product.

The Committee should also consider allocating funds for temporary signs that state for visitors to stay on the trails and off the dune. These could be attached to the snow fencing.

## SUMMARY

The following list summarizes the Final Schematic Design Plan:

- 6' wide stabilized stone dust path.
- 2 benches with companion wheelchair spaces.
- New planting along stone dust path which lacks groundcover.
- New 2'-4' wide sand trails.
- New Entrance at Court Street.
- New Trail markers.

- Relocation of existing cemetery sign and fence rails at Brown Street entrance plaza.
- One Interpretive Sign.

Cost Estimate

It appears that we are over budget with all three projects. This should not be considered a deterrent, as we can eliminate some scope to reduce the project to the \$51,500 budget.

When we put the project out to bid we can use what is called a Unit Price Contract where we ask the contractor to price out what one LF of new asphalt path or SF of erosion control would cost. In this scenario, we can request that the Contractor only build the amount of path the Town can afford.

I hope this narrative helps explain our design and rationale. We look forward to your approval of this plan.

Best Regards,

A handwritten signature in black ink, appearing to read 'Ray Dunetz', with a stylized, cursive script.

Ray Dunetz, ASLA, RLA, LEED Green Associate



Ray Dunetz Landscape Architecture  
179 Green Street  
Boston MA 02130

## MEETING MINUTES

Winthrop Street Cemetery  
Provincetown, MA  
Community Meeting #1

Location: Veteran's Memorial Community Center, Provincetown, MA  
Date: Tuesday, June 2, 2015  
Time: 3:00-4:00pm  
Attendees: Michelle Jarusiewicz, Acting Assistant Town Manager, Town of Provincetown  
Lynne Martin, MIS & Conservation Commission, Provincetown  
Richard Olson, Chair of Cemetery Commission, Provincetown  
Ray Dunetz, Principal, Ray Dunetz Landscape Architecture [RDLA]  
Attendees – see attachment

1. Michelle presented an overview of the project including schedule and budget. Introductions of key project team members were made to the attendees.
2. Ray presented a slide show of the design process, Two Schematic Design Alternatives, trail sections, material selections and dune restoration techniques. The following comments/issues were raised by the attendees.
  - a. Security – Abutters were concerned that improvements to the Cemetery could attract some nuisances including skateboarding or kids hanging out at night. Additional police presence would help alleviate some detrimental uses. No lighting will be installed in the Cemetery.
  - b. Accessible Paving – Abutters were concerned with adding an asphalt path into the Cemetery. They mentioned that they may be used by bicycles or skateboarders. One abutter mentioned she was concerned with turtles not being able to cross the asphalt path. The attendees preferred a permeable stabilized stone dust path over asphalt. There was a consensus to change the path to this material. A concern was raised about stone dust eroding in big storm events. Ray stated that the stone dust paths would need to be maintained and replenished on occasion. Ray also suggested that weeds will grow into the surfacing over time.
  - c. Trails – RDLA mentioned that the trails would remain as a sand surface, but edged with new plantings. We presented cross sections of the various trail designs. Unwanted trails will be blocked by temporary snow fencing. Once vegetation is established, the fencing will be removed.
  - d. Court Street Entrance – One attendee was concerned about adding a new entrance to the Court Street side of the dune, thinking that it would create new erosion by foot traffic. Other attendees noted that there is an existing trail to the summit via wood stairs already. After further discussion, there was consensus to open the fence entrance on Court Street.

e. Site Furnishings

1. Benches – It was agreed upon by the community to include two new benches along the accessible path to provide a place for people to rest. Benches would be backless and constructed with granite to match the existing benches at the entrances. Cast iron or steel armrests will be added to provide a way to lift up from the bench. Richard Olson was opposed to this idea and preferred a traditional bench. No decision was made on bench type.

2. Currently the Cemetery has no bike racks. Visiting bikers lock their bikes to the perimeter fence. The community was concerned about installing a new bike rack in the Cemetery as it is not an appropriate use. Optional locations include the Fire Department across the Street.

- f. Signage – Interpretive signage is favorable. The Historical Commission would like to be involved. New signage for the 2020 anniversary would be great. Signage like that at Kings Chapel and the Granary in Boston is acceptable. Richard mentioned Amy McGuiggan who wrote “My Provincetown” has been approached to assist in the interpretive sign narrative. The sign at the Winthrop Street entrance will be moved to allow for the new accessible path location.
- g. Fencing – Existing fencing and granite posts have been damaged by snow plows this past winter. Michelle will work with the DPW to assist the funding of the fence using shared funds. The fencing repair will be included in this construction package.
- h. Trail Markers – The idea of low discreet wooden trail markers was agreed upon by the Community.
- i. Dune Erosion Repair – No comments were made about re-vegetating the denuded dunes as shown. RDLA assumes our approach was acceptable to the Community.

The author assumes this to be an accurate transcription of this meeting unless notified otherwise in writing from those present within seven calendar days.

Prepared By:



Ray Dunetz, RLA, ASLA, LEED GA, CPSI  
Principal