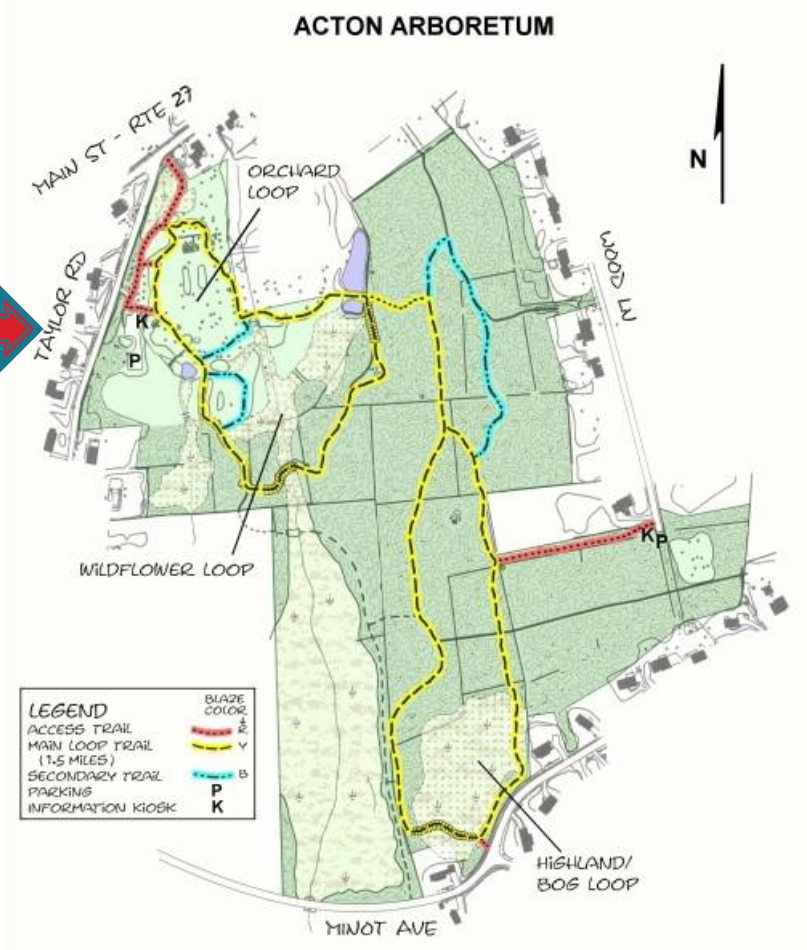
# Acton Arboretum Parking Lot Improvement Project

CPA Application by the Natural Resources Department
2014

# Location of Project Site

Location of Project Site



# Parking Lot/Trail Head Improvements

- Expand parking capacity
- Add handicap parking spaces
- Create new one-way drive into the lot
- Handle drainage via Rain Garden
- Provide lined paved spaces
- Add new kiosk
- Locate accessible picnic table near kiosk

| | |
|---|---|
| Move large shrub | $ 500 |
| Complete grading in-house | $ 0 |
| Paved surface @ $110 per ton | $47,325 |
| Design & create rain garden | $ 0 |
| SUB TOTAL | $47,825 |
| Contingencies Allowance | $ 5,175 |
| Total Grant Request | $53,000 |

# Project Tasks

- Remove old kiosk – FAA and NR Dept $0
- Move large viburnum – tree company $500
- Shape and rough-grade lot- Town $0
- Grade, prep, pave lot – contractor $47,325.00
- Create rain garden next to lot – FAA, NR $0
- Add new kiosk to trail head – FAA, NR $0

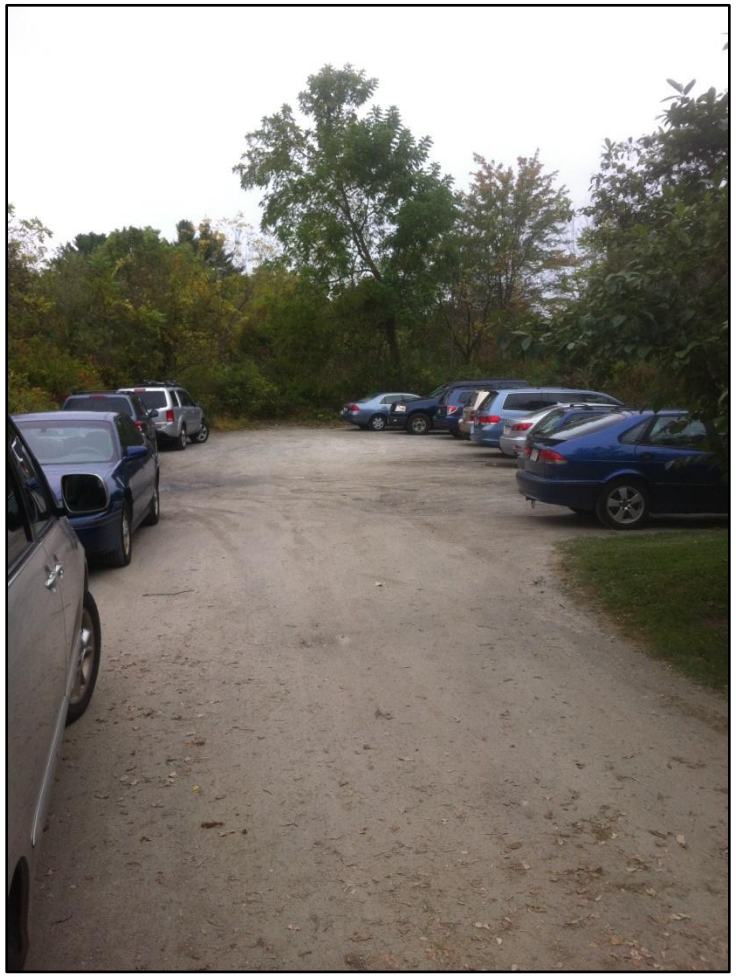
# Town provided in-kind services

| | |
|---|---|
| Engineering/survey | $2,500 |
| Site Prep | $6,000 |
| Sub grade prep time and materials | $2,000 |
| Rain garden design and wetlands filing | $2,000 |
| Rain garden excavation | $3,600 |
| Rain garden materials | $1,500 |
| Rain garden plants | $1,300 |
| New Kiosk | $3,000 |
| Total | $21,900 |

# Current Condition
# Arboretum Parking Lot

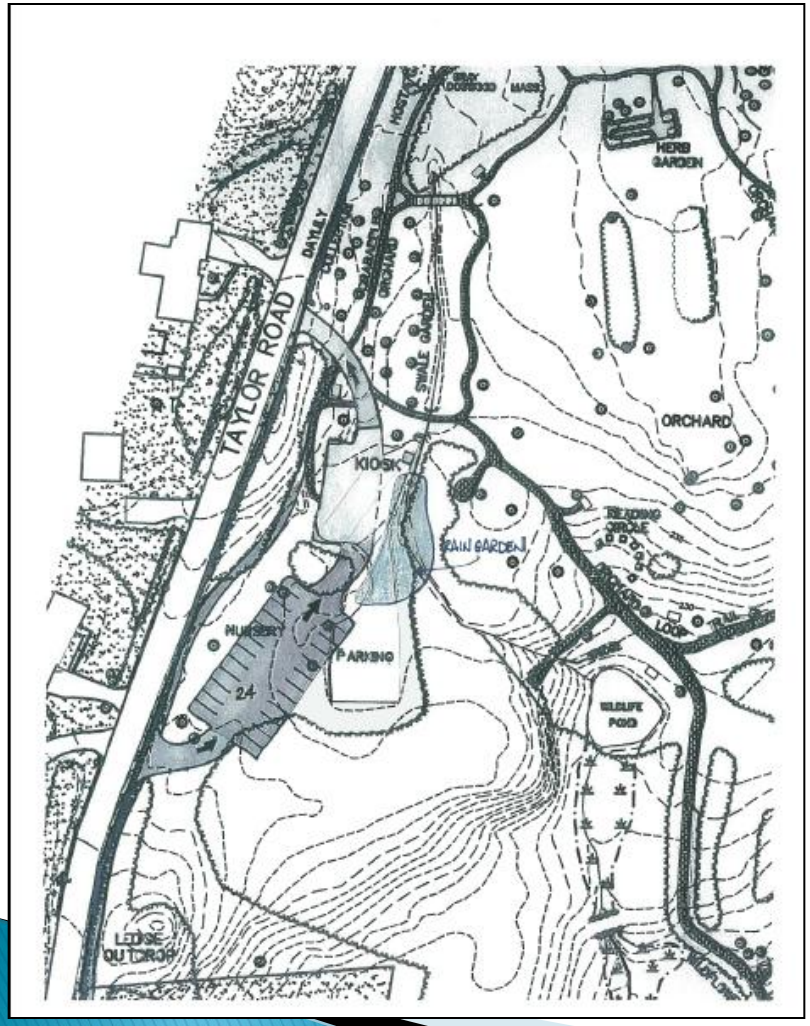
TOTAL $45,000

# Current Condition
# Arboretum Parking Lot

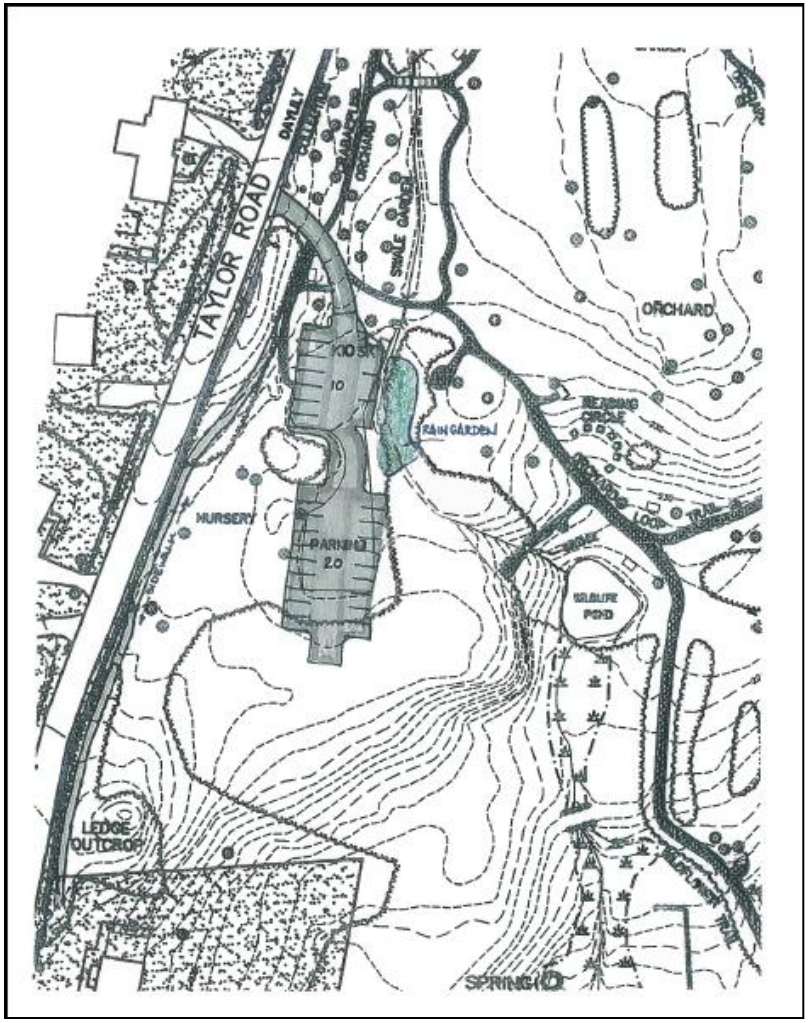


# Proposed Changes
# Arboretum Parking Lot

Preferred Design




Alternate Design



# New Kiosk

**New Kiosk Design Currently in use at NARA**

# Improved Universal Accessiblity of "Trailhead"

- accessible pathway to new kiosk
- accessible walkway to handicap picnic table
- accessible portable toilet

# Rain Gardens filter storm water run-off

# Rain Garden Plants

- Rain Garden (prices from Bigelow Nurseries 2013) each quantity total $
- Asclepias incarnata - Swamp milkweed $5.00 ea 10 50
- Carex pendula - Drooping Sedge $6.00 ea 10 60
- Cephalanthus occidentalis – Buttonbush 2-3 ft. $15.00 ea 10 150
- Eupatorium maculatum - Spotted Joe-pye Weed $5.00 ea 10 50
- Lobelia cardinalis - Cardinal Flower $5.00 ea 10 50
- Osmunda cinnamomea - Cinnamon Fern $6.00 ea 10 60
- Viburnum dentatum – Arrowwood 2-3 ft. $18.00 ea 10 180
- Osmunda regalis - Royal Fern $5.00 ea 10 50
- Lobelia siphilitica - Great Blue Lobelia $5.00 ea 10 50
- Lindera benzoin – Spicebush 2-3 ft. $15.00 ea 10 150
- Fothergilla gardenii Dwarf - Fothergilla 2-3 ft. $27.00 ea 10 270
- Chelone glabra – Turtlehead $6.00 ea 10 60
- Carex stricta - Tussock Sedge $6.00 ea 10 60
- Athyrium filix-femina – Ladyfern $6.00 ea 10 60
- Total plants 140
- Total cost plantings $1,300

# Thank you
# for helping us
# make the Acton Arboretum
# more accessible!