

Table of Contents

Chapter 1. Purpose of and Need for Action	1-1
INTRODUCTION.....	1-1
PURPOSE OF AND NEED FOR ACTION.....	1-1
Figure 1. Project Location	1-2
Figure 2. Proposed Parking Area.....	1-3
PROJECT SITE DESCRIPTION	1-4
PROJECT BACKGROUND.....	1-4
Figure 3. Project Site/Area of Potential Effect.....	1-5
Determinations for a Lease for Philander Chase Knox House	1-6
Scoping.....	1-6
HISTORY AND SIGNIFICANCE OF VALLEY FORGE NHP	1-7
HISTORY AND SIGNIFICANCE OF THE PROJECT SITE	1-7
PLANNING ISSUES AND CONCERNS	1-9
Planning Issues.....	1-9
Regulatory, Management, and Legislative Concerns.....	1-10
IMPACT TOPICS	1-10
Impact Topics Analyzed in this EA/AOE	1-10
Natural Resources	1-10
Soil.....	1-10
Topography.....	1-11
Soundscape	1-11
Lightscape	1-11
Visual Resources	1-12
Cultural Resources	1-12
Historic Structures	1-12
Cultural Landscapes	1-12
Traffic and Circulation.....	1-13
Visitor Use	1-13

Park Operations	1-13
Impact Topics Dismissed from Further Analysis	1-14
Natural Resources	1-14
Air Quality	1-14
Vegetation.....	1-14
Wildlife and Wildlife Habitat.....	1-14
Surface and Ground Waters.....	1-15
Wetlands	1-15
Floodplains	1-15
Prime Farmlands	1-15
Cultural Resources	1-16
Archeological Resources	1-16
Museum Objects	1-16
Ethnographic Resources.....	1-16
Indian Trust Resources.....	1-17
Energy Requirements and Conservation Potential	1-17
Environmental Justice	1-17
Chapter 2. Alternatives	2-1
ALTERNATIVE A (NO ACTION)	2-1
Structures.....	2-1
Philander Chase Knox House	2-1
Other Structures	2-1
Figure 4. Alternative A- Existing Conditions.....	2-2
Site <i>P. C. Knox Grounds</i>	2-3
Traffic and Circulation.....	2-3
Site Lighting.....	2-3
Storm Water Management.....	2-3
Visitor Use	2-3
Park Operations	2-3
ALTERNATIVE B- NPS PREFERRED ALTERNATIVE	2-3
Structures.....	2-4

Philander Chase Knox House	2-4
Figure 5. Floorplan of P.C. Knox House.....	2-5
Other Structures	2-6
Site	2-6
P.C. Knox Grounds.....	2-6
Figure 6. Alternative B.....	2-7
Landscape	2-8
Traffic and Circulation.....	2-8
New Parking Area.....	2-8
Figure 7. Historic Walled Garden of P.C. Knox House_House 2012.....	2-9
Figure 8. Existing Walled Garden of P.C. Knox House.....	2-9
Site Lighting.....	2-9
Storm Water Management.....	2-9
Visitor Use	2-9
Park Operations	2-10
SUMMARY OF HOW ALTERNATIVES MEET THE PURPOSE AND NEED	2-10
ENVIRONMENTALLY PREFERRED ALTERNATIVE	2-10
Summary of Environmental Consequences.....	2-11
Chapter 3. Affected Environment	3-1
NATURAL RESOURCES.....	3-1
Soil.....	3-1
Topography	3-1
Soundscape	3-2
Lightscape	3-2
CULTURAL RESOURCES	3-3
Historic Structures	3-3
Figure 9. Modern-day P.C. Knox House	3-4
Cultural Landscape.....	3-5
VISUAL RESOURCES.....	3-5
VISITOR USE	3-5
TRAFFIC AND CIRCULATION	3-5

PARK OPERATIONS.....	3-6
Chapter 4. Environmental Consequences.....	4-1
METHODOLOGY FOR ASSESSING IMPACTS	4-1
Type.....	4-1
Context.....	4-1
Duration	4-2
Level of Intensity	4-2
Cumulative Impacts	4-2
NATURAL RESOURCES.....	4-2
Soil.....	4-2
Methodology.....	4-2
Impacts of Alternative A (No-Action).....	4-3
Cumulative Impacts	4-3
Impacts of Alternative B.....	4-3
Cumulative Impacts	4-3
Topography	4-3
Methodology.....	4-3
Impacts of Alternative A (No-Action).....	4-4
Cumulative Impacts	4-4
Impacts of Alternative B.....	4-4
Cumulative Impacts	4-4
Soundscape	4-4
Methodology.....	4-4
Impacts of Alternative A (No-Action).....	4-5
Cumulative Impacts	4-5
Impacts of Alternative B.....	4-5
Cumulative Impacts	4-5
Lightscape	4-6
Methodology.....	4-6
Impacts of Alternative A (No-Action).....	4-6
Cumulative Impacts	4-6

Impacts of Alternative B.....	4-6
Cumulative Impacts	4-7
CULTURAL RESOURCES	4-7
Historic Structures	4-8
Methodology.....	4-8
Impacts of Alternative A (No-Action).....	4-9
Section 106 Summary	4-9
Cumulative Impacts	4-9
Impacts of Alternative B.....	4-9
Section 106 Summary	4-9
Cumulative Impacts	4-9
Cultural Landscapes	4-9
Methodology.....	4-9
Impacts of Alternative A (No-Action).....	4-10
Section 106 Summary	4-11
Cumulative Impacts	4-11
Impacts of Alternative B.....	4-11
Section 106 Summary	4-11
Cumulative Impacts	4-11
VISUAL RESOURCES.....	4-11
Methodology.....	4-11
Impacts of Alternative A (No-Action).....	4-12
Cumulative Impacts	4-12
Impacts of Alternative B.....	4-12
Cumulative Impacts	4-12
VISITOR USE	4-13
Methodology.....	4-13
Impacts of Alternative A (No-Action).....	4-13
Cumulative Impact	4-13
Impacts of Alternative B.....	4-14
Cumulative Impacts	4-14
TRAFFIC AND CIRCULATION	4-14

Methodology.....	4-14
Impacts of Alternative A (No Action)	4-15
Cumulative Impact	4-15
Impacts of Alternatives B.....	4-15
Cumulative Impact	4-15
PARK OPERATIONS.....	4-15
Methodology.....	4-15
Impacts of Alternative A (No-Action).....	4-16
Cumulative Impacts	4-16
Impacts of Alternative B.....	4-16
Cumulative Impacts	4-16
CONCLUSION.....	4-16
Alternative A (No-Action).....	4-16
Alternative B	4-17
Chapter 5: Consultation and Coordination.....	5-1
PUBLIC SCOPING	5-1
INTERAGENCY COORDINATION	5-2
LIST OF RECIPIENTS	5-2