



Executive Director's Recommendation

Commission Meeting: May 2, 2019

PROJECT Perimeter Fence Replacement and Gate Improvements United States National Arboretum 3501 New York Avenue, NE Washington, DC	NCPC FILE NUMBER 8064
SUBMITTED BY United States Department of Agriculture National Arboretum	NCPC MAP FILE NUMBER 43.20(38.40)44910
REVIEW AUTHORITY Federal Projects in the District per 40 U.S.C. § 8722(b)(1) and (d)	APPLICANT'S REQUEST Approval of comments on concept design
	PROPOSED ACTION Approve comments as requested
	ACTION ITEM TYPE Staff Presentation

PROJECT SUMMARY

The United States Department of Agriculture (USDA) has submitted concept plans for perimeter improvements at the United States National Arboretum (USNA) in Washington, DC. While the property is fenced today, the plan is intended to enhance the overall appearance and security of the Arboretum, as well as reduce the number of wildlife intrusions on to the property. Proposed improvements include: 1) replacement of 12,662 linear feet of decorative fencing with new decorative fencing; 2) replacement of 855 linear feet of chain-link fencing with new decorative fencing; 3) installation of new black vinyl chain-in fence section (210 linear feet); 4) modifications to six (of seven) perimeter gates; and 5) realignment of the perimeter fence in five locations. The realigned sections will ensure that the perimeter fence is located completely on federal property.

KEY INFORMATION

- The 446-acre National Arboretum is the premier horticulture research facility of the United States Department of Agriculture. Established by Congress in 1927 and opened to the public in 1959, the Arboretum is known for its extensive research and exquisite plant exhibits.
- The Commission reviewed the most recent National Arboretum Master Plan in 2000, followed by a master plan modification in 2007 to reflect development of a Chinese Garden complex; an Anacostia waterfront access path; and decorative security entrances to the Arboretum from the Anacostia River.
- The Arboretum currently has seven perimeter gates, with four identified for vehicle use, two for pedestrian use, and one for both vehicular and pedestrian use. An eighth gate with two separate portals, currently abandoned, is situated within the Arboretum's secure perimeter in the southern area of the property.
- The fenced perimeter currently consists of a combination of decorative fencing (12,662 linear feet) and chain-link fencing (8,737 linear feet). The existing chain-link fence is situated

primarily along the Arboretum's east and south-sides adjacent to less visible, wooded areas, with a short (855 linear feet) section along the western boundary.

- The original main gate for the National Arboretum was constructed in the early 1960's near its southern boundary (near M Street, NE) to enable convenient access for motorists traveling into the District from the Maryland suburbs along the Baltimore-Washington Parkway. New York Avenue developed as the main vehicular route into the District however, resulting in abandonment of the gate as the main entrance into the Arboretum.

RECOMMENDATION

The Commission:

Notes the mission of the U.S. National Arboretum is to “enhance the economic, environmental, and aesthetic value of ornamental and landscape plants through long-term, multi-disciplinary research, conservation of genetic resources, and interpretative gardens and exhibits.”

Supports the general intent of the proposed perimeter fence replacement and gate improvement project to improve the overall appearance and security at the National Arboretum, consistent with its focus on research and interpretation.

Notes the project will replace 12,662 linear feet of decorative perimeter fencing with new decorative fencing, replace 855 linear feet of the chain-link perimeter fence with new decorative fencing, install an initial 210 linear foot section of new black vinyl chain-link fencing, and modify six (of seven) existing perimeter gates.

Perimeter Fence Replacement

Recommends that the National Arboretum install a single style of new decorative picket fencing that matches the existing style as much as possible, while accommodating the increased height and new picket spacing necessary to support the project goals.

Notes that the applicant will submit more detailed fence plans in a future project submission to NCPC for preliminary and final review.

Notes that new perimeter fencing will be realigned on to federal property under the jurisdiction of the National Arboretum in four locations along the northern perimeter and one location along the western perimeter.

Requests additional information regarding where the new fence installation will require tree and vegetation removal, and how these impacts would be mitigated through new tree and vegetation plantings.

Perimeter Gate Modifications

Notes that there are currently seven perimeter gates at the National Arboretum. The concept plan proposes six perimeter gates, with two identified for pedestrian use, two identified for vehicle use, and two identified for combined pedestrian and vehicular use.

Notes the new gate proposed along Bladensburg Road, designed for both pedestrian and vehicular use, will serve as the future main public entrance to the Arboretum. This gate was identified in the Arboretum Master Plan (2000) approved by NCPC and will be submitted for review as a separate project contingent upon future funding.

Notes that the National Arboretum proposes a new public pedestrian gate along M Street, to allow entry at the original Art Deco-designed entrance, for better neighborhood access to the Arboretum's many amenities.

Recommends that the National Arboretum work with the District and local community to re-establish this entrance for pedestrians and bicyclists.

Requests a phasing plan as part of the next submission to understand the order in which the USNA gates will be opened, modified, or closed, and how this sequence will accommodate visitors and Arboretum operations, while minimizing any impacts to on- and off-site access and circulation.

Requests detailed plans, elevations, technical specifications, and renderings for each proposed perimeter gate modification.

Historic Preservation Review

Requests additional information be provided as part of the next submission regarding the existing stone pillar and gates, and whether these features are contributing elements of the historic site, in coordination with the DC State Historic Preservation Office.

Notes the USNA was listed on the National Register of Historic Places in 1973, and that the concept plan is currently under review by the District of Columbia State Historic Preservation Office as part of an ongoing Section 106 consultation process.

PROJECT REVIEW TIMELINE

Previous actions	None.
Remaining actions (anticipated)	Summer/Fall 2019 – Preliminary/Final review

PROJECT ANALYSIS

Background

Staff has evaluated a concept plan for perimeter improvements at the United States National Arboretum (USNA) by the United States Department of Agriculture (USDA) considering the applicable policies in the Federal Elements of the Comprehensive Plan, as well as the existing Arboretum master plan. The proposal includes full replacement (12,662 linear feet) of all decorative perimeter fencing (with similar decorative fencing), partial replacement (855 linear feet) of the Arboretum's chain-link fence (with decorative fencing), initial installation of a 210-foot section of black vinyl chain-link fencing, and changes to six (of seven) perimeter gates. The intent of the project is to improve the overall appearance and security at the Arboretum, and to protect the grounds from outside wildlife intrusion. All new fencing will have a standard height of eight-feet, which is an increase of approximately two feet above the current fence height, and narrower picket spacing (four inches on-center) from its current six inch on-center spacing. Proposed changes to the Arboretum's system of gates will accommodate current and future operations at the property.

As background, the mission of the USNA is to “enhance the economic, environmental, and aesthetic value of ornamental and landscape plants through long-term, multi-disciplinary research, conservation of genetic resources, and interpretative gardens and exhibits.” Early American leaders envisioned a national garden where science could be applied to the country's agricultural resources to advance national economic prosperity. In response, Congress passed the National Arboretum Act on March 4, 1927 to establish the Arboretum “for the purposes of research and education concerning tree and plant life.” Currently, more than 600,000 people visit the Arboretum annually, to take in the beauty of its 16,000 varieties of plants, appreciate the balance of cultivated gardens and natural landscapes, enjoy the grounds as a recreational amenity, and to learn about horticulture. As part of the USDA Agricultural Research Service, the Arboretum employs scientists who maintain a large and invaluable inventory of plant specimens to support research for the nation and around the world.

Therefore, staff recommends that the Commission **note the mission of the U.S. National Arboretum is to “enhance the economic, environmental, and aesthetic value of ornamental and landscape plants through long-term, multi-disciplinary research, conservation of genetic resources, and interpretative gardens and exhibits.”** Additionally, staff recommends that the Commission **support the general intent of the proposed perimeter fence replacement and gate improvement project to improve the overall appearance and security at the National Arboretum, consistent with its focus on research and interpretation.** Lastly, staff recommends that the Commission **note the project will replace 12,662 linear feet of decorative perimeter fencing with new decorative fencing, replace 855 linear feet of the chain-link perimeter fence with new decorative fencing, install an initial 210 linear foot section of new black vinyl chain-link fencing, and modify six (of seven) existing perimeter gates.**

Analysis

The existing USNA perimeter fence consists of two styles – decorative and chain-link. The decorative black picket (with 6-inch on-center spacing) fencing has a top height of six feet, and is situated along the more visible Arboretum perimeter in the north (along New York Avenue), west

(facing the Arboretum Neighborhood, R Street, and Bladensburg Road), and a section of the southern boundary (facing M Street.) The remaining perimeter is secured with standard metal chain-link fencing, six feet in height, located along the less visible wooded east- and south-sides of the perimeter. An additional 855 linear foot section of chain-link fencing is located along the western perimeter (Bladensburg Road.) The decorative picket fencing is installed directly into the ground along the north-side of the Arboretum and mounted on top of concrete knee/curb walls along the west- and south-sides of the property.

Perimeter Fence Replacement

The applicant proposes to replace the existing picket fence with a similar style, though taller (eight feet) and with narrower (four inches on-center) picket spacing. New fence sections will be installed directly into the ground and on top of curb/knee walls as the existing fence. The 855 linear foot chain-link fence section along the western perimeter will be replaced with decorative picket fencing, and an initial 210-foot section of black vinyl chain-link fencing will be installed adjacent to the Washington Times Building in the northeast part of the perimeter. There is currently no perimeter fencing along this area of the Arboretum perimeter. NCPC staff concurs with the concept plan proposal to replace all existing decorative fencing and the section of chain-link fencing along Bladensburg Road with a similar single black picket fence style. The exact fence details will be provided in future submissions for NCPC review once a contractor has been hired to undertake the project. Staff recommends that the Commission **recommend that the National Arboretum install a single style of new decorative picket fencing that matches the existing style as much as possible, while accommodating the increased height and new picket spacing necessary to support the project goals.** Furthermore, staff recommends that the Commission **note that the applicant will submit more detailed fence plans in a future project submission to NCPC for preliminary and final review.**

The USNA will replace all new perimeter fencing along the same alignment except in areas where the perimeter fence does not correctly align with the property line. Four of the locations are situated in the north along New York Avenue and a fifth fence section is located along Bladensburg Road. In these locations, the perimeter fence is either aligned several feet behind the Arboretum property line (on federal property), and in the other locations, or aligned on District right-of-way. All five new fence sections will be properly installed on federal property parallel to the property line. Therefore, staff recommends that the Commission **note that new perimeter fencing will be realigned on to federal property under the jurisdiction of the National Arboretum in four locations along the northern perimeter and one location along the western perimeter.**

The Arboretum's perimeter fence is situated close to trees and vegetation in several locations along its alignment. The concept plan does not indicate whether the proposed fence replacement will require any tree/vegetation removal, nor does the plan show how any such removal would be mitigated with new tree/vegetation planting. Future project submissions should include this information for Commission consideration. Therefore, staff recommends that the Commission **request additional information regarding where the new fence installation will require tree and vegetation removal, and how these impacts would be mitigated through new tree and vegetation plantings.**

Perimeter Gate Modifications

The USNA currently has seven perimeter gates, with four identified for vehicle use, two identified for pedestrian use, and one identified for combined pedestrian and vehicle use. An eighth (abandoned) two-portal gate, designed as a grand main entrance into the Arboretum for vehicular traffic and constructed in the early 1960's, is situated inside the existing perimeter fence-line on Arboretum property. The concept plan shows changes to six (of seven) gates, resulting in six future gate locations, with two gates intended for use by vehicles, two by pedestrians, and two identified as combined pedestrian and vehicular use. Only the existing R Street gate, which currently serves as the main gate for the Arboretum, will remain unchanged at this time.

The concept plan shows the future relocation of the National Arboretum main gate to along Bladensburg Road (near existing Gate 7) from R Street. The relocated gate would reduce vehicular traffic along R Street, a residential street, and situate the gate in a more visible area along Bladensburg Road. Recent traffic data from the District Department of Transportation shows an average annual daily traffic volume of approximately 27,000 vehicles adjacent to the proposed new gate location. In comparison, R Street is designed as a two-way residential street, with a curb-to-curb width of 30 feet, whereas Bladensburg Road is designed as a six-lane divided arterial roadway, with an approximate 70-foot width. The Bladensburg Road gate is included in the current 2000 Arboretum Master Plan, although not funded at this time. The applicant will submit the new gate design to NCPC for review as a separate project as the project is funded and designed. Once the new Bladensburg gate is operational, the R Street gate will be changed to staff-use only.

Staff recommends that the Commission **note that there are currently seven perimeter gates at the National Arboretum. The concept plan proposes six perimeter gates, with two identified for pedestrian use, two identified for vehicle use, and two identified for combined pedestrian and vehicular use.** Furthermore, staff recommends that the Commission **note that the new gate proposed along Bladensburg Road, designed for both pedestrian and vehicular use, will serve as the future main public entrance to the Arboretum. This gate was identified in the Arboretum Master Plan (2000) approved by NCPC and will be submitted for review as a separate project contingent upon future funding.**

One of the Arboretum's most notable gates (identified as Gates 8 and 9 in the concept plan) is currently abandoned and located within the secure perimeter, immediately to the north (approximately 125 feet) of the existing fence-line adjacent to the M Street right-of-way. Direct public access to the Arboretum, previously available from M Street (east of the M Street/Maryland Avenue intersection) was closed for operational reasons. The interior gate, designed as an Art Deco stone wall with two separate vehicle portals, was constructed (in the early 1960's) as the main vehicular entry into the Arboretum. The location was viewed as convenient and highly visible for traffic traveling along the Baltimore-Washington Parkway, which was planned along the west bank of the Anacostia River at the time. Rather, New York Avenue developed as the main vehicular route into the District from the eastern suburbs, resulting in diminished use of the gate based on its less convenient location. The concept plan identifies a new public pedestrian gate (identified as Gate 10) along M Street, to be located immediately to the south of the interior "Art Deco" gate, for

better neighborhood access to the Arboretum's many amenities. Therefore, staff recommends that the Commission **find that the National Arboretum proposes a new public pedestrian gate along M Street, to allow entry at the original Art Deco-designed entrance, for better neighborhood access to the Arboretum's many amenities.**

The M Street right-of-way, currently unimproved to the east of the M Street/Maryland Avenue intersection, is blocked with concrete barriers. A new perimeter M Street gate will require coordination between the National Arboretum, District officials, and local community to improve the right-of-way, which is District property, and to address potential future operational issues. In support of reopening the M Street access, staff recommends that the Commission **recommend that the National Arboretum work with the District and local community to re-establish this entrance for pedestrians and bicyclists.**

With exception of the R Street gate, the concept plan identifies three types of modification actions for the other six existing gates including: 1) Complete removal (with no replacement) and re-establishment of the perimeter fence, 2) Conversion to a different use, and 3) Replacement of the moveable gate arms to match the new picket fence style. In total, the Arboretum will completely remove two pedestrian gates (Gates 2 and 7) and one vehicular gate (Gate 3.) One gate will be converted from a combined vehicular/pedestrian gate into a pedestrian-only gate (Gate 1.) Lastly, three gates will have their swing arms placed with new movable arms that match the style of new decorative fencing; Two of these will remain "swing" gates (with inward-moving arms), and one gate will be converted into a "slide" gate. The concept plan includes photographs as examples of potential new swing and slide gates. In light of the proposed gate modifications, which will impact on- and off-site circulation, staff recommends that the Commission **request a phasing plan as part of the next submission to understand the order in which the USNA gates will be opened, modified, or closed, and how this sequence will accommodate visitors and Arboretum operations, while minimizing any impacts to on- and off-site access and circulation.**

Several of the existing perimeter gates (5) are currently framed with large stone columns that serve as mounting elements for their moveable arms, designed and constructed between 1960-1990. The concept plan shows that each column will be preserved as part of the Arboretum's future fence-line, despite planned fence replacement and gate modifications. At this time, overall design details are still unknown and will be developed in the future with direction provided by the National Arboretum, NCPC, Commission of Fine Arts (CFA), and the District of Columbia State Historic Preservation Office (DC SHPO). More detailed gate designs should be submitted to NCPC for review during future preliminary and final design stages. Therefore, staff recommends that the Commission **request detailed plans, elevations, technical specifications, and renderings for each proposed perimeter gate modification.**

Historic Preservation

The concept plan submission states that the National Arboretum was designated a District of Columbia Landmark in 1968 and listed in the National Register of Historic Places (NRHP) in 1973. Established by an Act of Congress in 1927, the current 446-acre property grew gradually between 1928 and 1959, starting with an initial area of 189 acres. Most of the Arboretum's

character-defining buildings and landscape features were constructed during a 20-year period between 1947 and 1967. As previously mentioned, there are several large (between 9-13-foot high) stone columns situated along the existing perimeter fence-line, many of which, serve as mounting structures for gate arms. The columns were designed and constructed from 1960-1990. Staff remains unclear regarding whether the columns are considered contributing historic features to the Arboretum. Staff recommends that the Commission **request additional information be provided as part of the next submission regarding the existing stone pillar and gates, and whether these features are contributing elements of the historic site, in coordination with the DC State Historic Preservation Office.** The applicant has submitted the concept plan for review by the District of Columbia State Historic Preservation Office (DC SHPO) to satisfy the requirements of Section 106 pursuant to the National Historic Preservation Act. Therefore, staff recommends that the Commission **note the USNA was listed on the National Register of Historic Places in 1973, and that the concept plan is currently under review by the District of Columbia State Historic Preservation Office as part of an ongoing Section 106 consultation process.**

CONFORMANCE TO EXISTING PLANS, POLICIES AND RELATED GUIDANCE

Comprehensive Plan for the National Capital

As noted in the analysis above, NCPC staff has reviewed this proposal for compliance with relevant guidance and has determined that it is not inconsistent with the policies established in the Federal Elements of the Comprehensive Plan for the National Capital. In particular, the project is supported by policies in the Federal Environment, Historic Preservation, and Urban Design Elements.

2000 National Arboretum Master Plan

The Arboretum developed a strategic plan to prepare the institution for the next century in 1996, leading to the development of the current 2000 master plan in response to strategic plan goals. The strategic plan was meant to guide the future development of the Arboretum over the next 20 years. The 2000 master plan contains several ideas/proposals that are included in the current fence replacement/gate modification concept plan including:

- Relocation of the Arboretum's main public entrance from R Street to Bladensburg Road;
- Reopening the M Street gate (Gate 10); and
- Maintaining the New York Avenue gate (Gate 4) as a secondary access point.

More recently, in 2007, the Commission approved a modification to the 2000 master plan to enable development of a China Garden complex that would highlight the cultural history of Chinese architecture and gardening. The modification outlined a general development framework of land-uses on the eastern sector of the Arboretum, including a waterfront access path; new accessible pedestrian trails within the Asian Collection; new tram stops; realignment of Holly Spring and Hickey Hill Roads; and construction of decorative security entrances to the Arboretum from the Anacostia River. In follow-up, the Commission has reviewed concept plans for an Anacostia

Riverwalk Trail pedestrian bridge to the National Arboretum (December 2017) and National China Garden development (December 2015). NCPC granted preliminary and final approvals for the National China Garden development in December 2016. As part of the Commission action, NCPC recommended that the 2000 master plan be updated based on Commission guidelines, which recommend updates every five years.

National Historic Preservation Act

NCPC and USDA each have an independent responsibility to comply with Section 106 of the National Historic Preservation Act (NHPA). The applicant has submitted project concept plans to the District of Columbia State Historic Preservation Office (DC SHPO) for their review and comment. NCPC will complete the requirements of Section 106 prior to the Commission's final approval of the project.

National Environmental Policy Act

The USDA has fulfilled its NEPA obligation through the preparation of a Categorical Exclusion for this project. The CATEX, dated September 14, 2018, is included in the submission package and pertains to repair and maintenance of an existing facility, including alterations and renovations. NCPC also has a NEPA responsibility for approval of this project and will likely apply CATEX (#6) for approval of federal and District government agency proposals for new construction, building expansion, or improvements to existing facilities where all of the following conditions are met: (i) The new structure and proposed use are in compliance with all applicable District of Columbia, state, or Federal requirements, (ii) The site and the scale of construction are consistent with existing nearby buildings, (iii) The proposed use will not substantially increase the number of motor vehicles in the vicinity of the facility, and (iv) There is little to no evidence of unresolved resource conflicts or community controversy related to environmental concerns or other environmental issues.

CONSULTATION

Coordinating Committee

The Committee forwarded the proposed comments on concept design to the Commission with the statement that the proposal has been coordinated with all participating agencies, except as noted below. DOEE noted that they were not coordinating. DCOP noted that it was hard to tell from the drawings whether the fence is on private property, public space, or a combination. Any fence over 42 inches in height will require review and approval of the Public Space Committee. The SHPO is not coordinating on this project since Section 106 has not been initiated. Although the applicant has since initiated the Section 106 review process.

U.S. Commission of Fine Arts

The U.S. Commission of Fine Arts reviewed the concept plan at their April 18, 2019 meeting. A copy of the approval letter is attached.

ONLINE REFERENCE

The following supporting documents for this project are available online at www.ncpc.gov:

- NCPC Submission Form
- Submission Letter
- Concept Plans
- United States Department of Agriculture Categorical Exclusion

Prepared by Michael Weil
04/25/2019

POWERPOINT (ATTACHED)

United States National Arboretum Perimeter Fence Replacement

3501 New York Ave NE
Washington, DC 20002

Approval of Concept Comments

United States Department of Agriculture

Project Summary

Commission Meeting Date: May 2, 2019

NCPC Review Authority: Federal Projects in the District - 40 U.S.C. § 8722(b)(1) and (d)

Applicant Request: Approval of Concept Comments

Session: Open Session

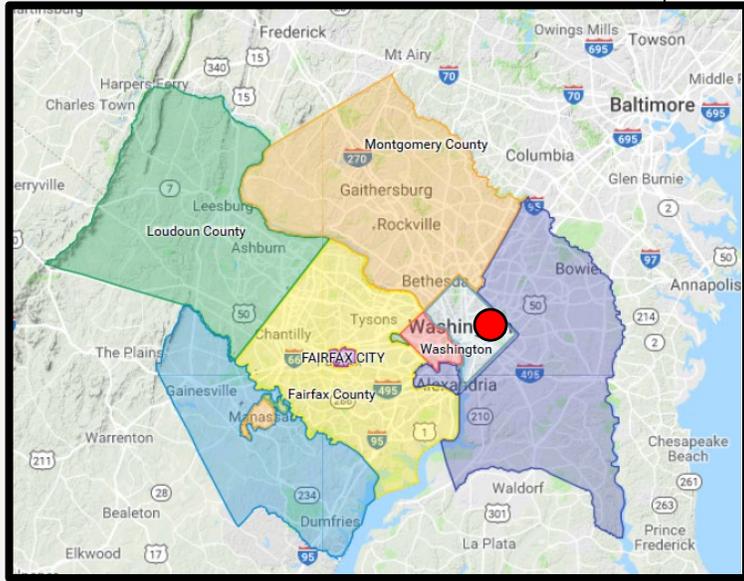
NCPC Review Officer: Michael Weil

NCPC File Number: 8064

Project Summary:

The U.S. Department of Agriculture (USDA) has submitted a proposal to replace approximately 2.4 miles of fencing and to modify each of its gates along the perimeter of the National Arboretum in the District of Columbia. The existing fence/gates are in various states of disrepair and are not consistent in appearance/design since different sections were installed at different times since the 1960's. The new fencing will be relocated in some areas since the existing alignment is not entirely on federal property. These alignment adjustments will occur primarily along New York Avenue. The new fencing will have a standard eight-foot height (increasing from its current height of 5-6 feet) to discourage deer from entering on to Arboretum property from the outside, with a reduced picket spacing of 4" on-center. The proposed 2-3-foot height increase is based on recent research that shows a dramatic decrease in deer intrusions with an eight-foot height.

The USNA was established in 1927 by an act of Congress, located in northeast Washington D.C., consisting of approximately 451 acres, as a living museum, park, research, and education facility.

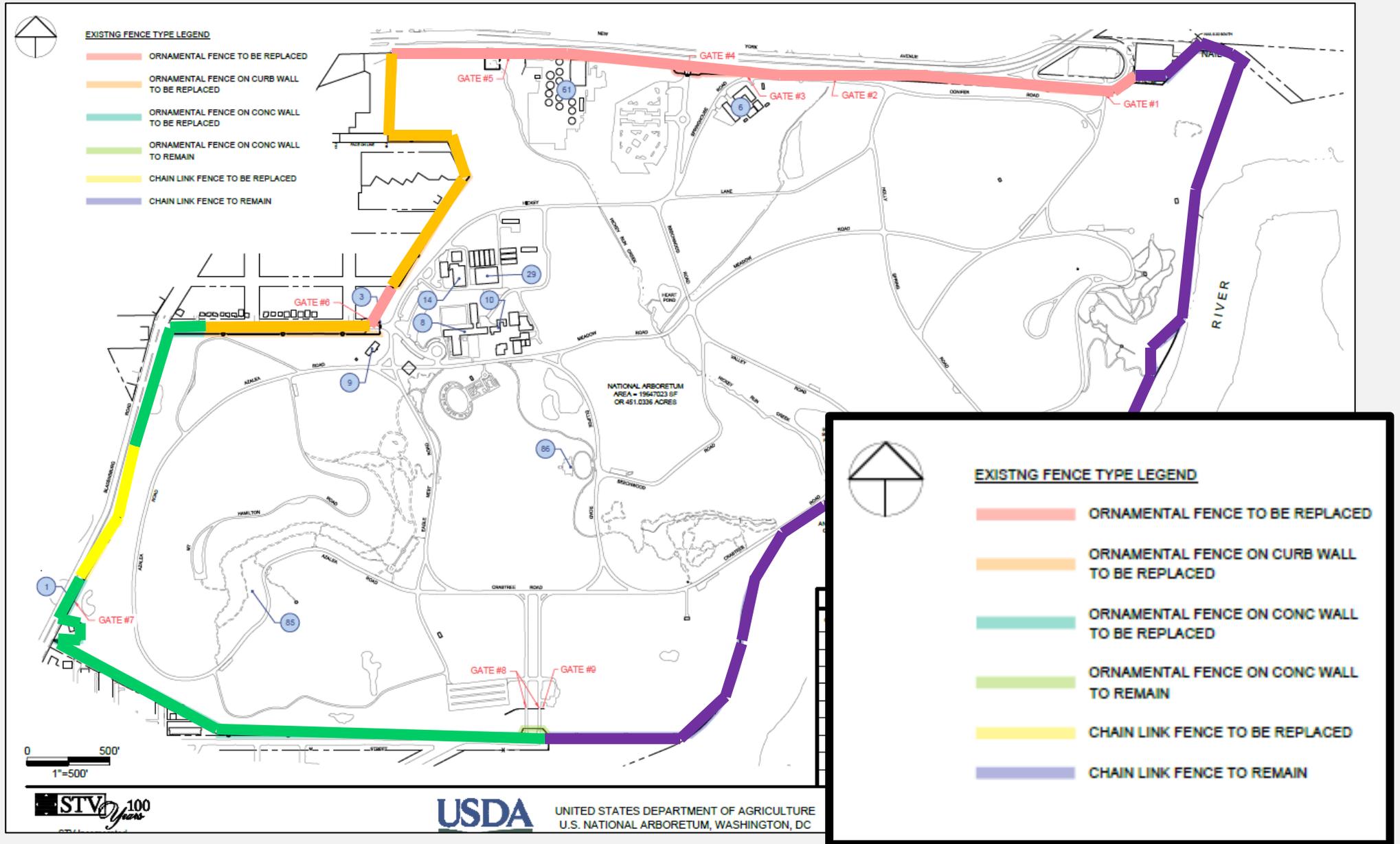


Site Location

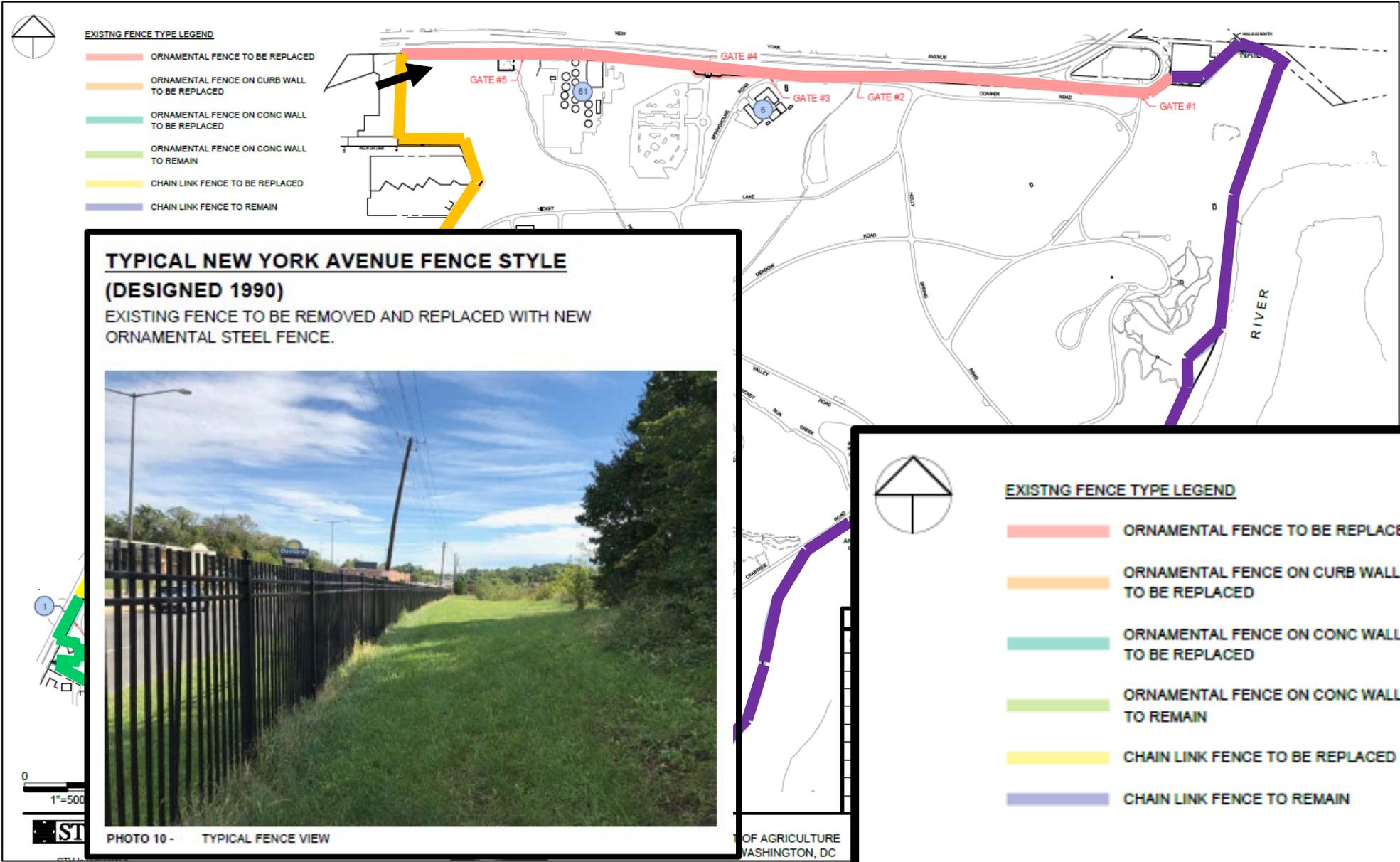


Location Map

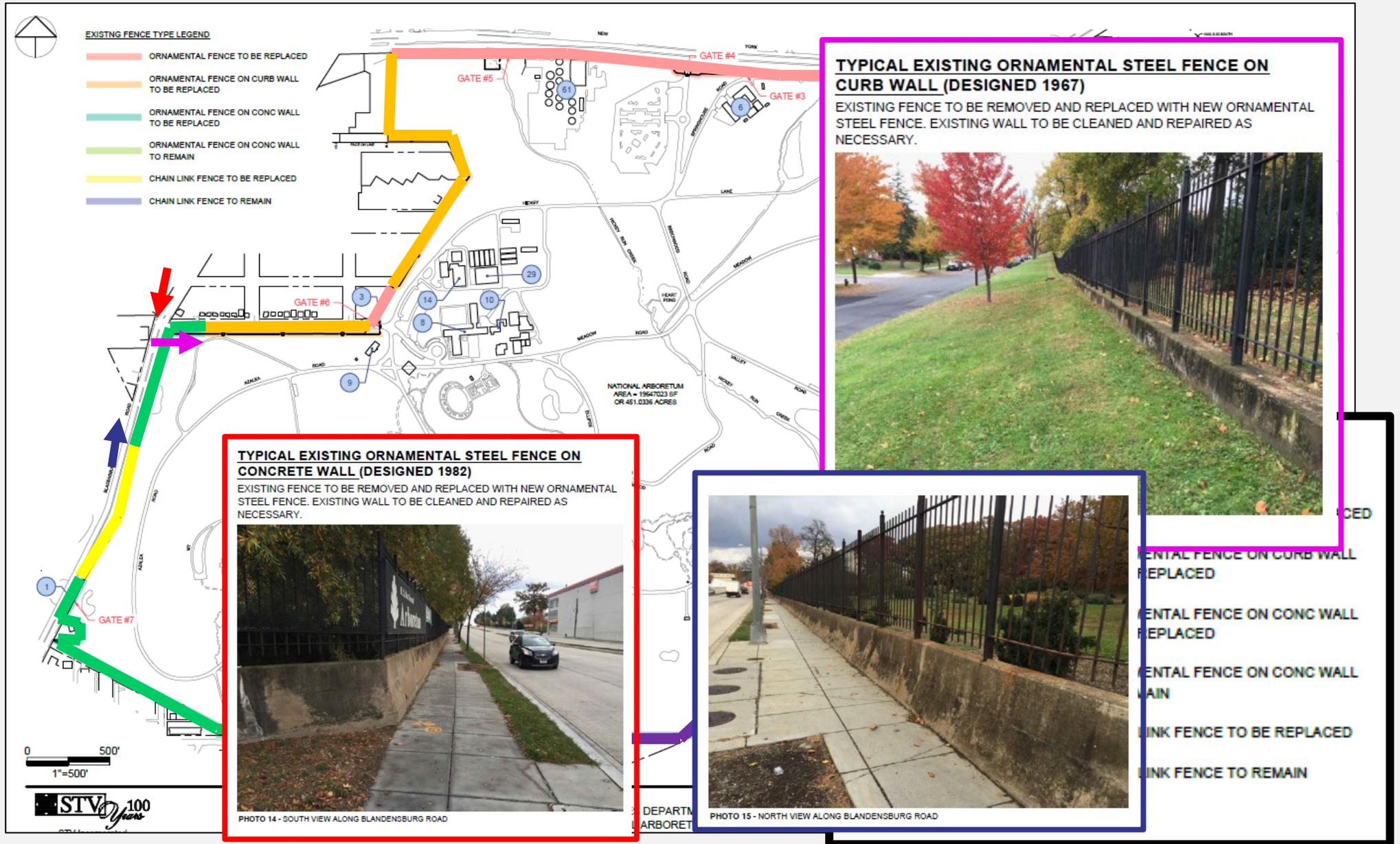
Existing Conditions: Fence



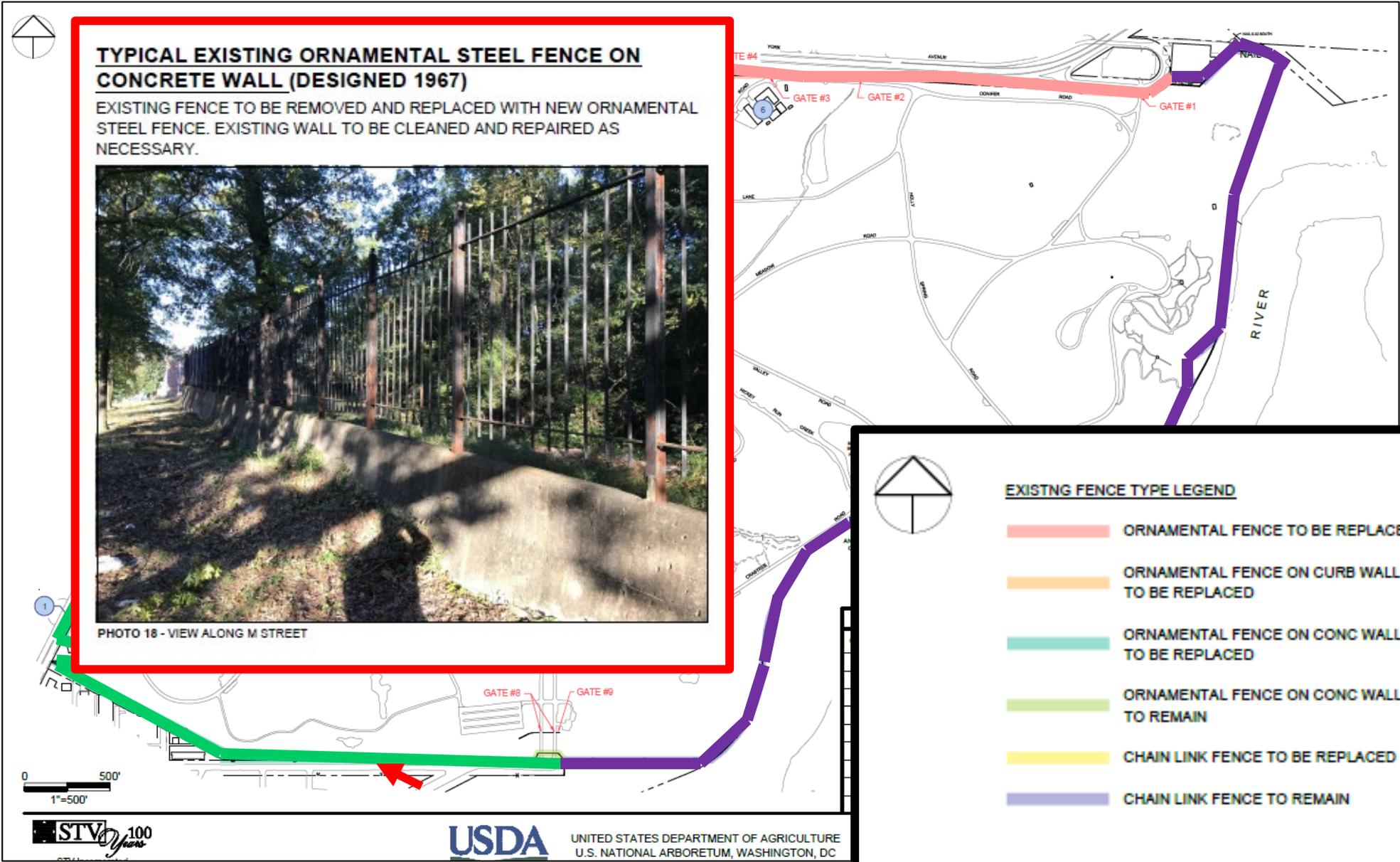
Existing Conditions: *Fence*



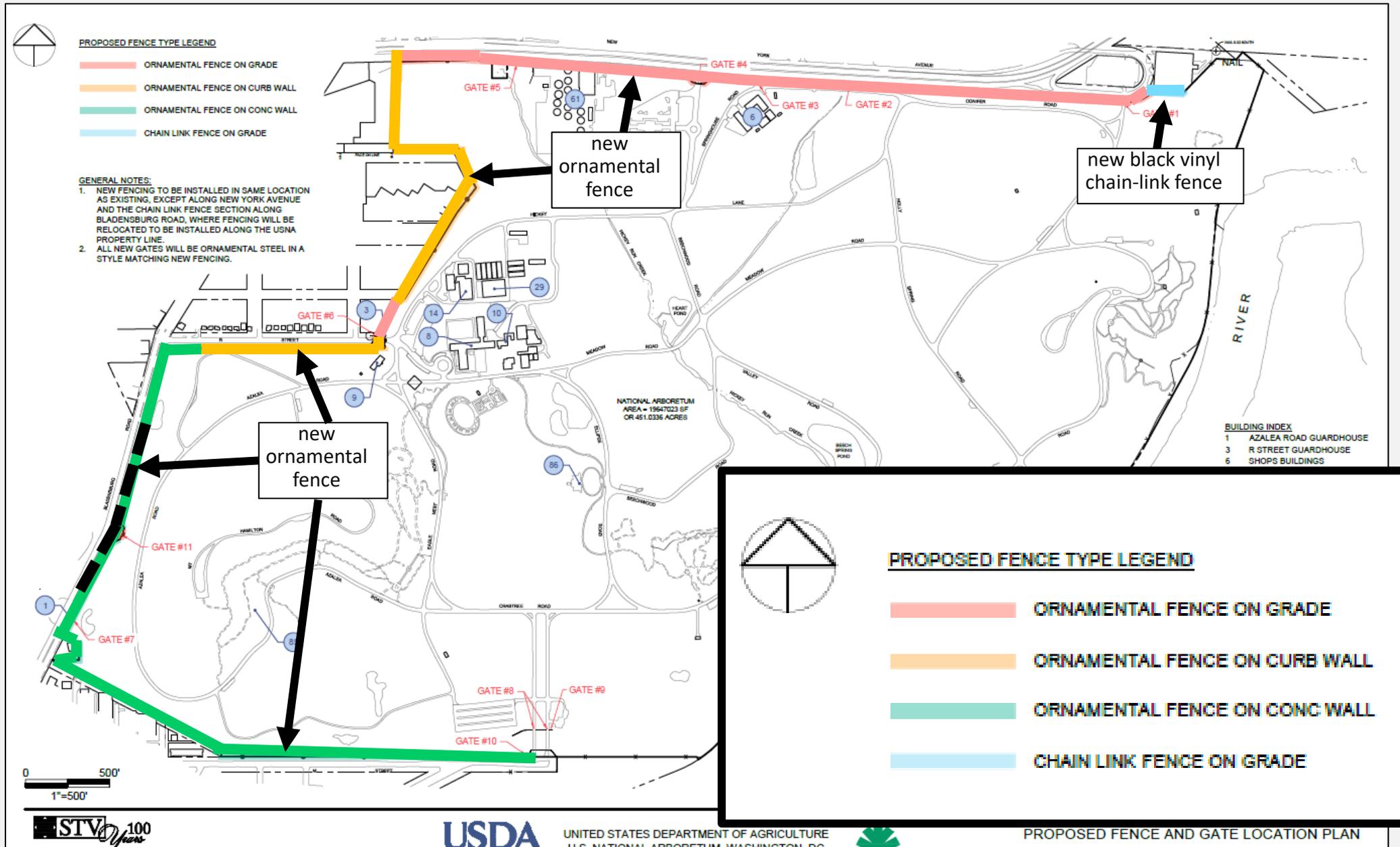
Existing Conditions: Fence



Existing Conditions: Fence



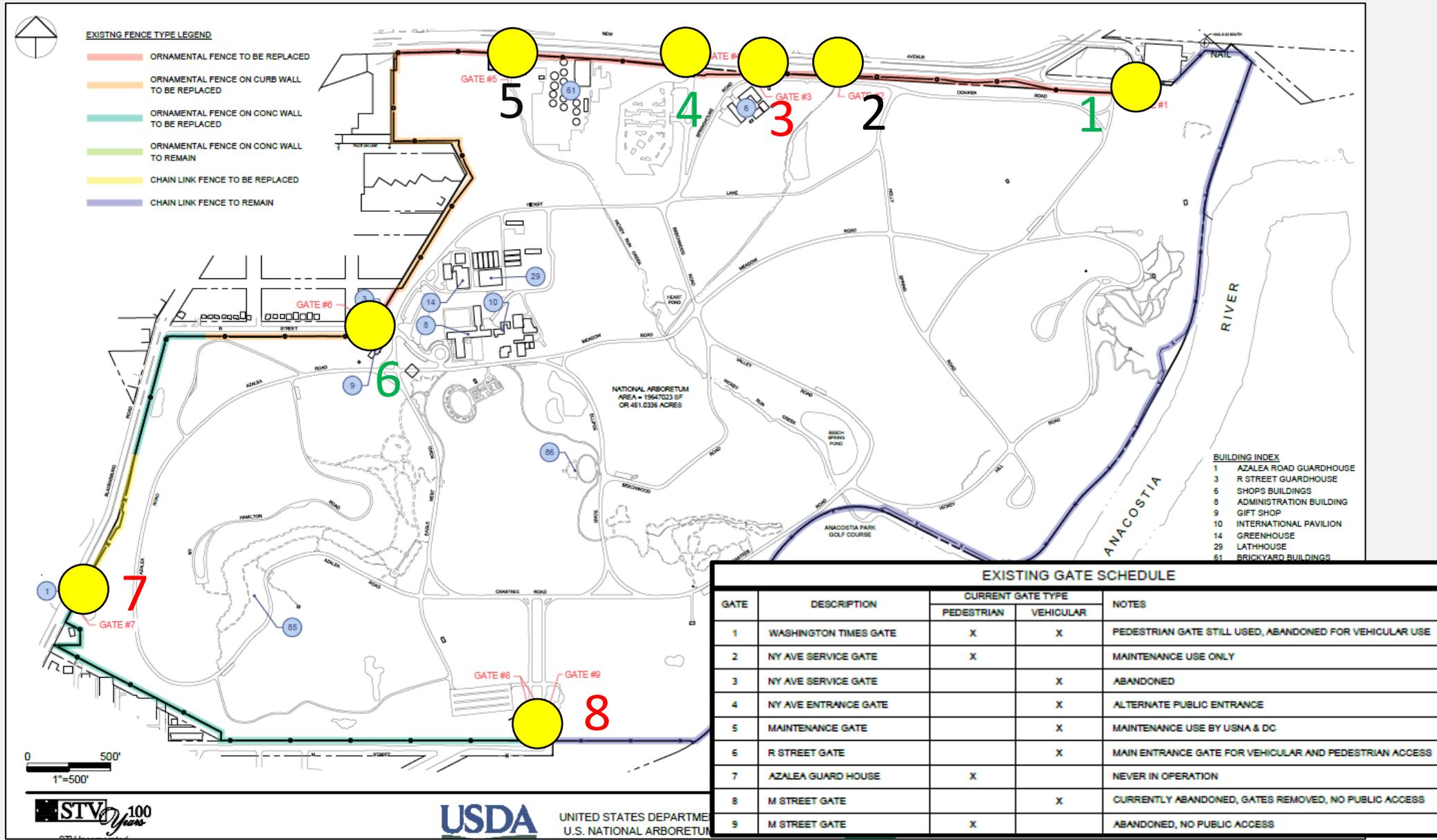
Proposal: Fence



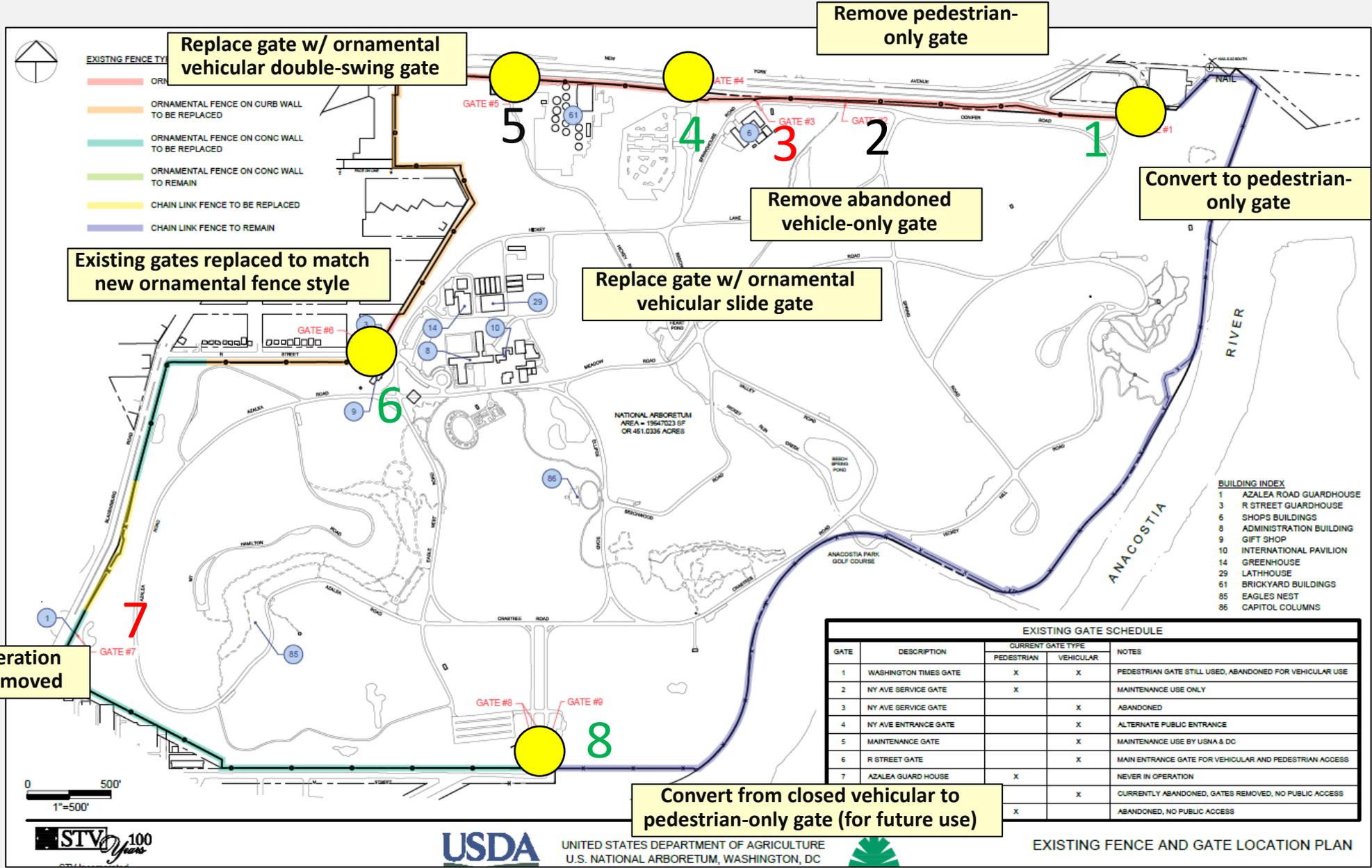
Proposal: Fence



Existing Conditions: Gates



Proposal: Gates



Existing gates replaced to match new ornamental fence style

Replace gate w/ ornamental vehicular slide gate

Remove pedestrian-only gate

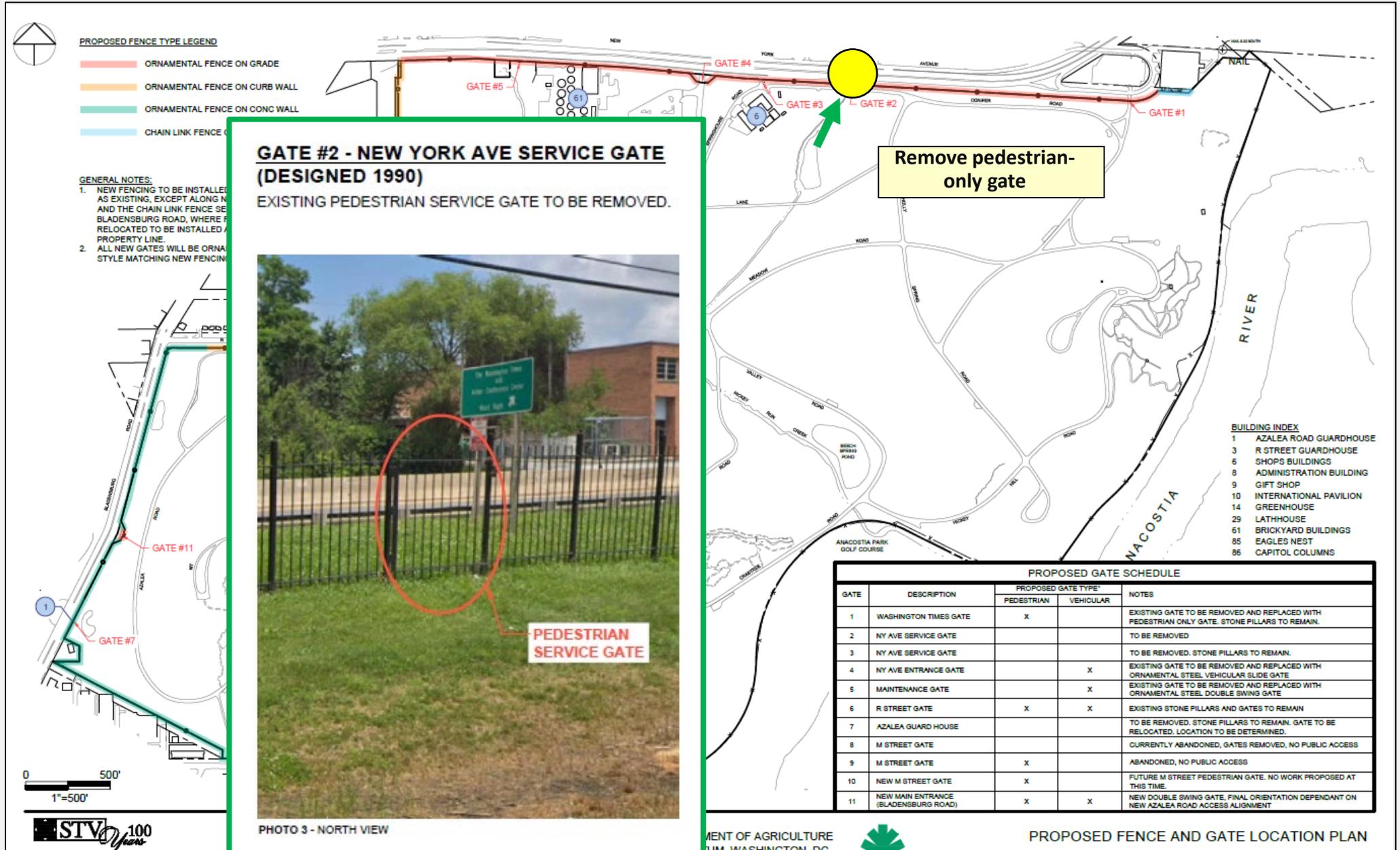
Remove abandoned vehicle-only gate

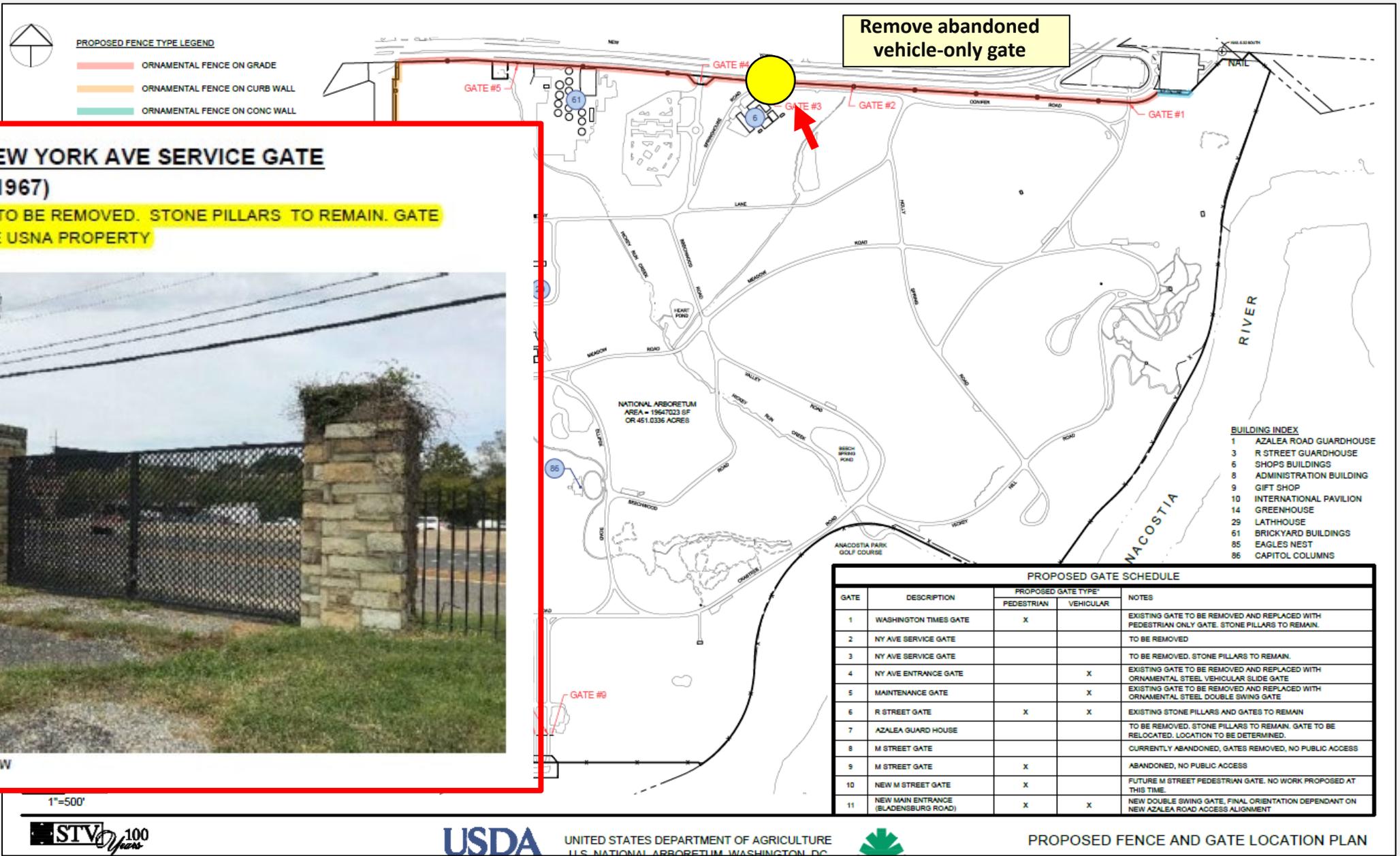
Convert to pedestrian-only gate

Never-in-operation gate to be removed

Convert from closed vehicular to pedestrian-only gate (for future use)

Proposal: Gates





**GATE #3 - NEW YORK AVE SERVICE GATE
(DESIGNED 1967)**

EXISTING GATE TO BE REMOVED. STONE PILLARS TO REMAIN. GATE LOCATED INSIDE USNA PROPERTY



PHOTO 4 - NORTH VIEW

GATE	DESCRIPTION	PROPOSED GATE TYPE*		NOTES
		PEDESTRIAN	VEHICULAR	
1	WASHINGTON TIMES GATE	X		EXISTING GATE TO BE REMOVED AND REPLACED WITH PEDESTRIAN ONLY GATE. STONE PILLARS TO REMAIN.
2	NY AVE SERVICE GATE			TO BE REMOVED
3	NY AVE SERVICE GATE			TO BE REMOVED. STONE PILLARS TO REMAIN.
4	NY AVE ENTRANCE GATE		X	EXISTING GATE TO BE REMOVED AND REPLACED WITH ORNAMENTAL STEEL VEHICULAR SLIDE GATE
5	MAINTENANCE GATE		X	EXISTING GATE TO BE REMOVED AND REPLACED WITH ORNAMENTAL STEEL DOUBLE SWING GATE
6	R STREET GATE	X	X	EXISTING STONE PILLARS AND GATES TO REMAIN
7	AZALEA GUARD HOUSE			TO BE REMOVED. STONE PILLARS TO REMAIN. GATE TO BE RELOCATED. LOCATION TO BE DETERMINED.
8	M STREET GATE			CURRENTLY ABANDONED, GATES REMOVED, NO PUBLIC ACCESS
9	M STREET GATE	X		ABANDONED, NO PUBLIC ACCESS
10	NEW M STREET GATE	X		FUTURE M STREET PEDESTRIAN GATE. NO WORK PROPOSED AT THIS TIME.
11	NEW MAIN ENTRANCE (BLADENBURG ROAD)	X	X	NEW DOUBLE SWING GATE. FINAL ORIENTATION DEPENDANT ON NEW AZALEA ROAD ACCESS ALIGNMENT

1"=500'



USDA UNITED STATES DEPARTMENT OF AGRICULTURE
U.S. NATIONAL ARBORETUM WASHINGTON, DC



PROPOSED FENCE AND GATE LOCATION PLAN



ORNAMENTAL STEEL SLIDE GATE EXAMPLE

HEIGHT: MAX 8 FT ABOVE GRADE,
 PICKET SPACING: MAX 4" CC
 COLOR: BLACK
 POST TREATMENT: SQUARE CAP
 GATE STYLE TO MATCH FENCE

Replace gate w/ ornamental vehicular slide gate



GATE #4 - NEW YORK AVENUE ENTRANCE GATE (DESIGNED 1990)

EXISTING GATE TO BE REMOVED AND REPLACED IN A STYLE TO MATCH NEW ORNAMENTAL FENCE. STONE COLUMNS TO REMAIN.



PHOTO 6 - NORTH VIEW



PHOTO 8 - TYPICAL VIEW OF COLUMNS

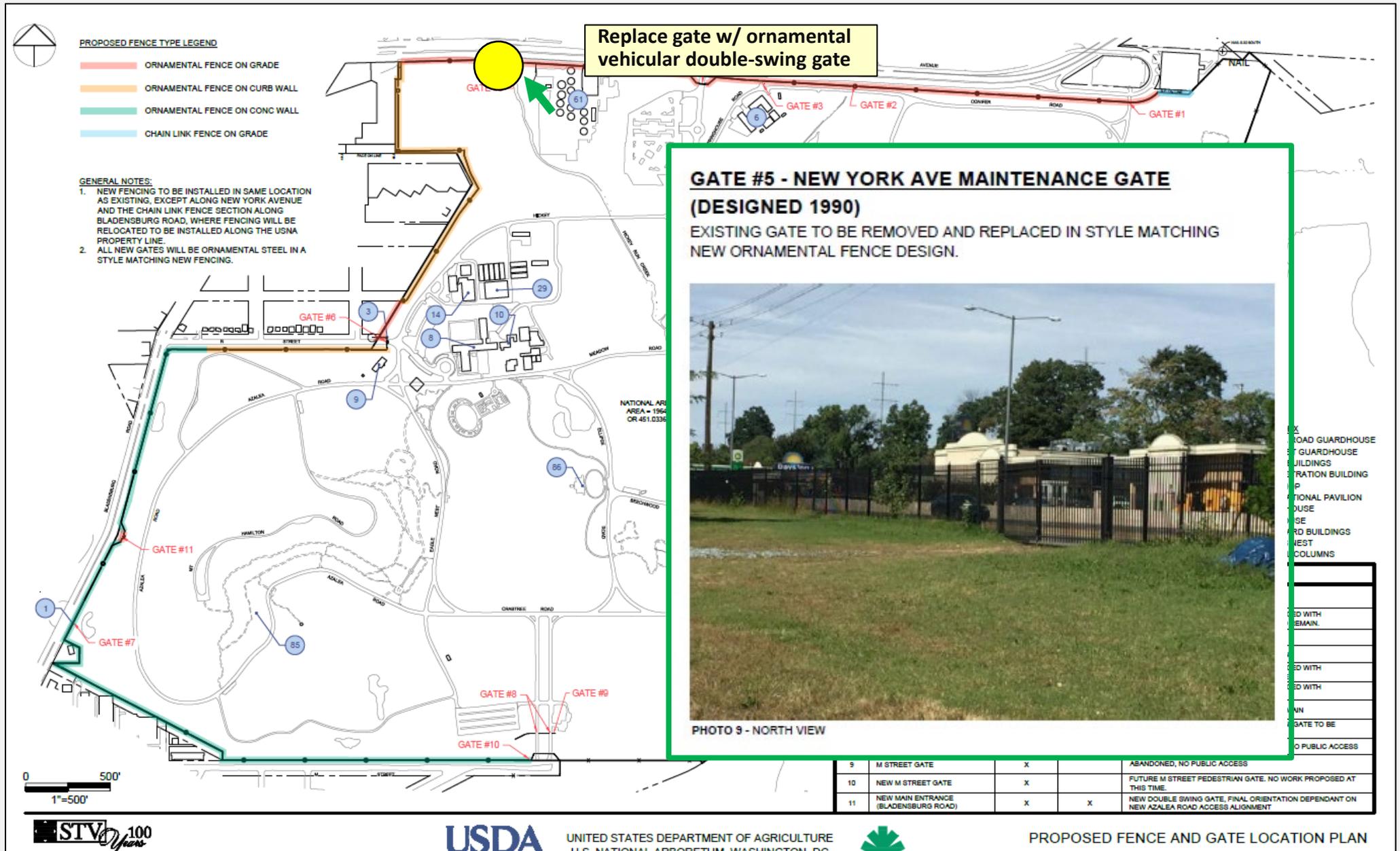


PHOTO 7 - TYPICAL VIEW OF COLUMNS AND VEHICLE GATE

	PF	PROPC	PEDESTRI	
			X	TO BE REMOVED, STONE PICKETS TO REMAIN
	X			EXISTING GATE TO BE REMOVED AND REPLACED WITH ORNAMENTAL STEEL VEHICULAR SLIDE GATE
	X			EXISTING GATE TO BE REMOVED AND REPLACED WITH ORNAMENTAL STEEL DOUBLE SWING GATE
	X	X		EXISTING STONE PILLARS AND GATES TO REMAIN
				TO BE REMOVED, STONE PILLARS TO REMAIN. GATE TO BE RELOCATED. LOCATION TO BE DETERMINED.
				CURRENTLY ABANDONED, GATES REMOVED, NO PUBLIC ACCESS
	X			ABANDONED, NO PUBLIC ACCESS
10		X		FUTURE M STREET PEDESTRIAN GATE. NO WORK PROPOSED AT THIS TIME.
11		X	X	NEW DOUBLE SWING GATE. FINAL ORIENTATION DEPENDANT ON NEW AZALEA ROAD ACCESS ALIGNMENT



Proposal: Gates

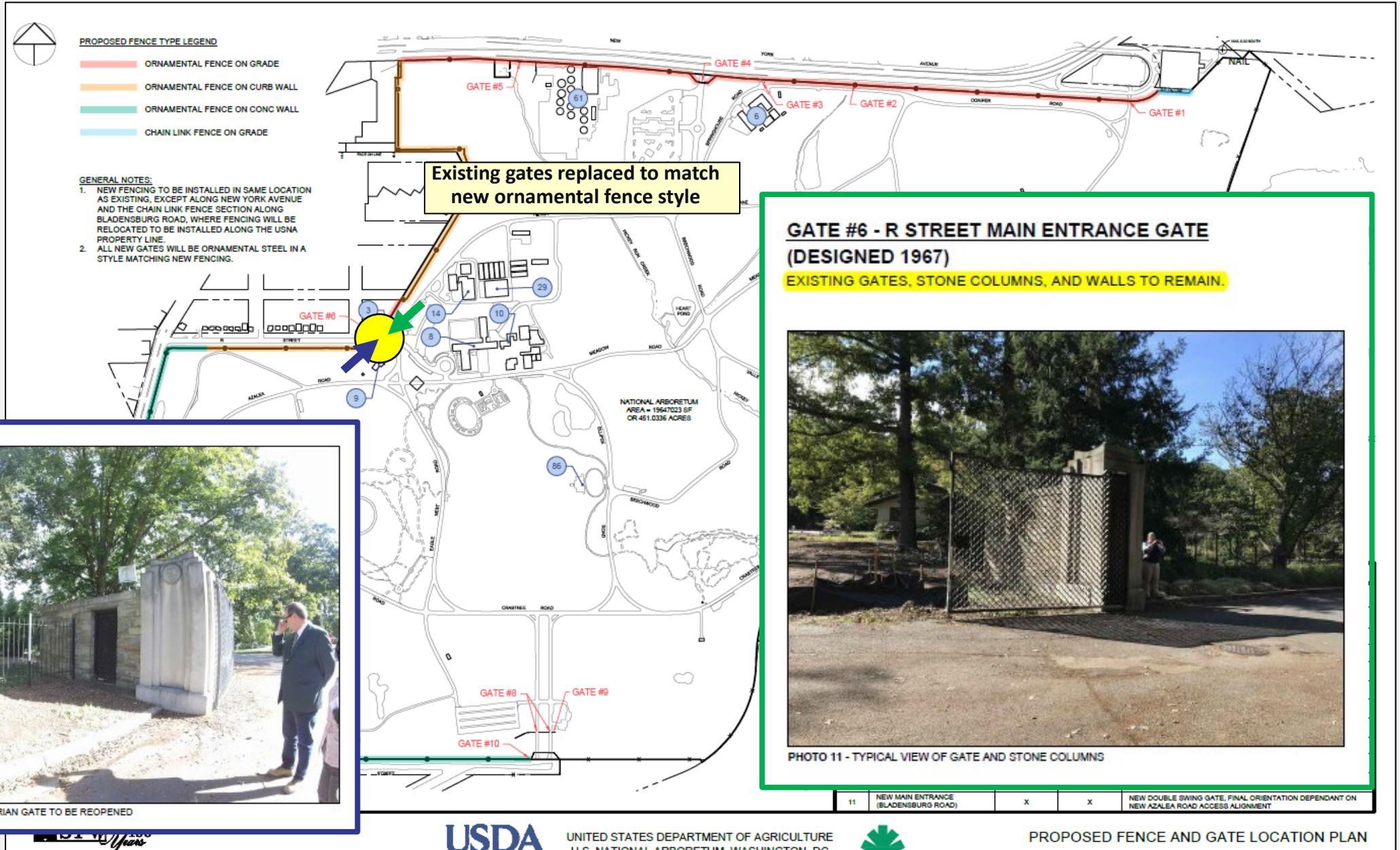


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PROPOSED FENCE AND GATE LOCATION PLAN

Proposal: Gates



Proposal: Gates

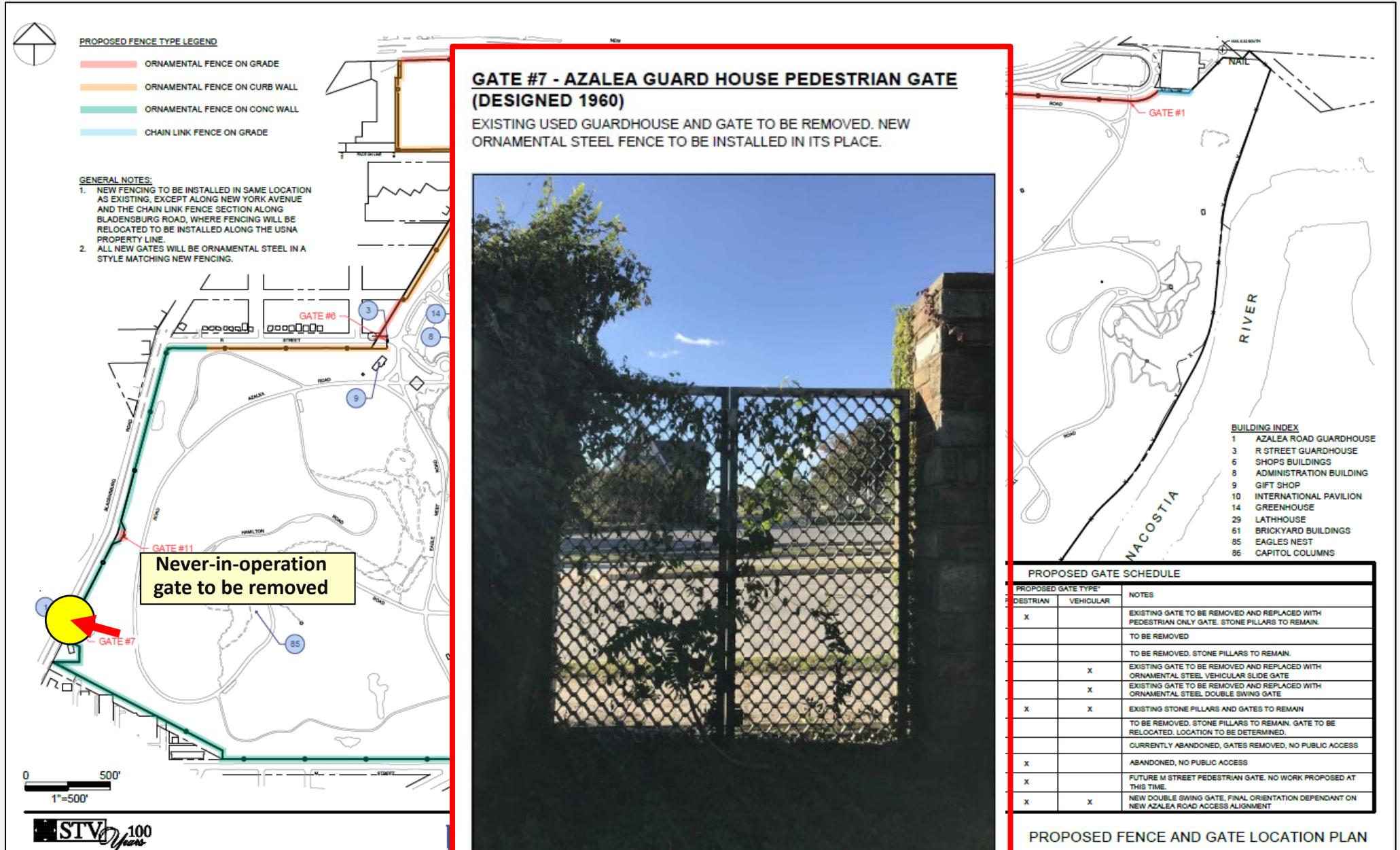
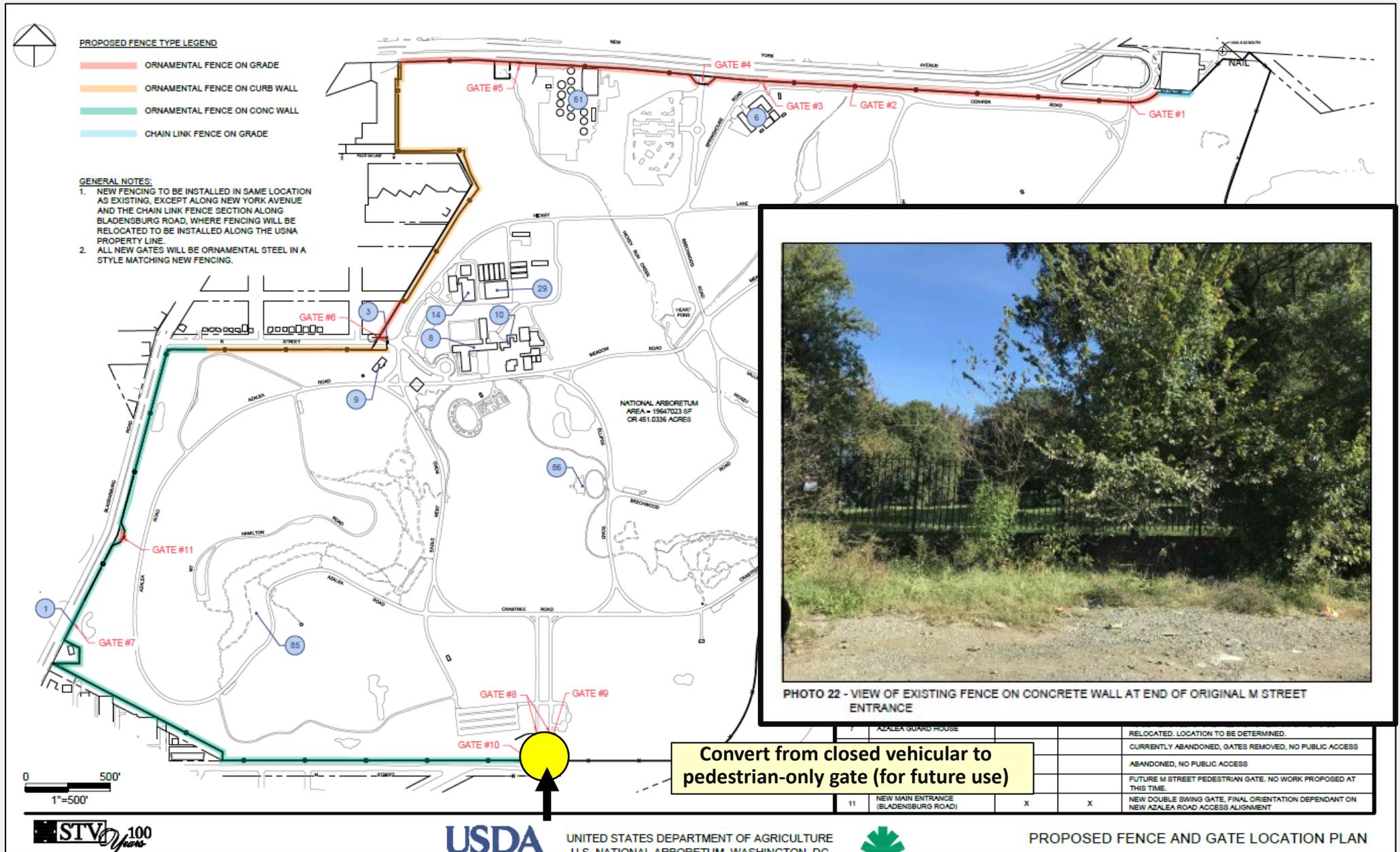
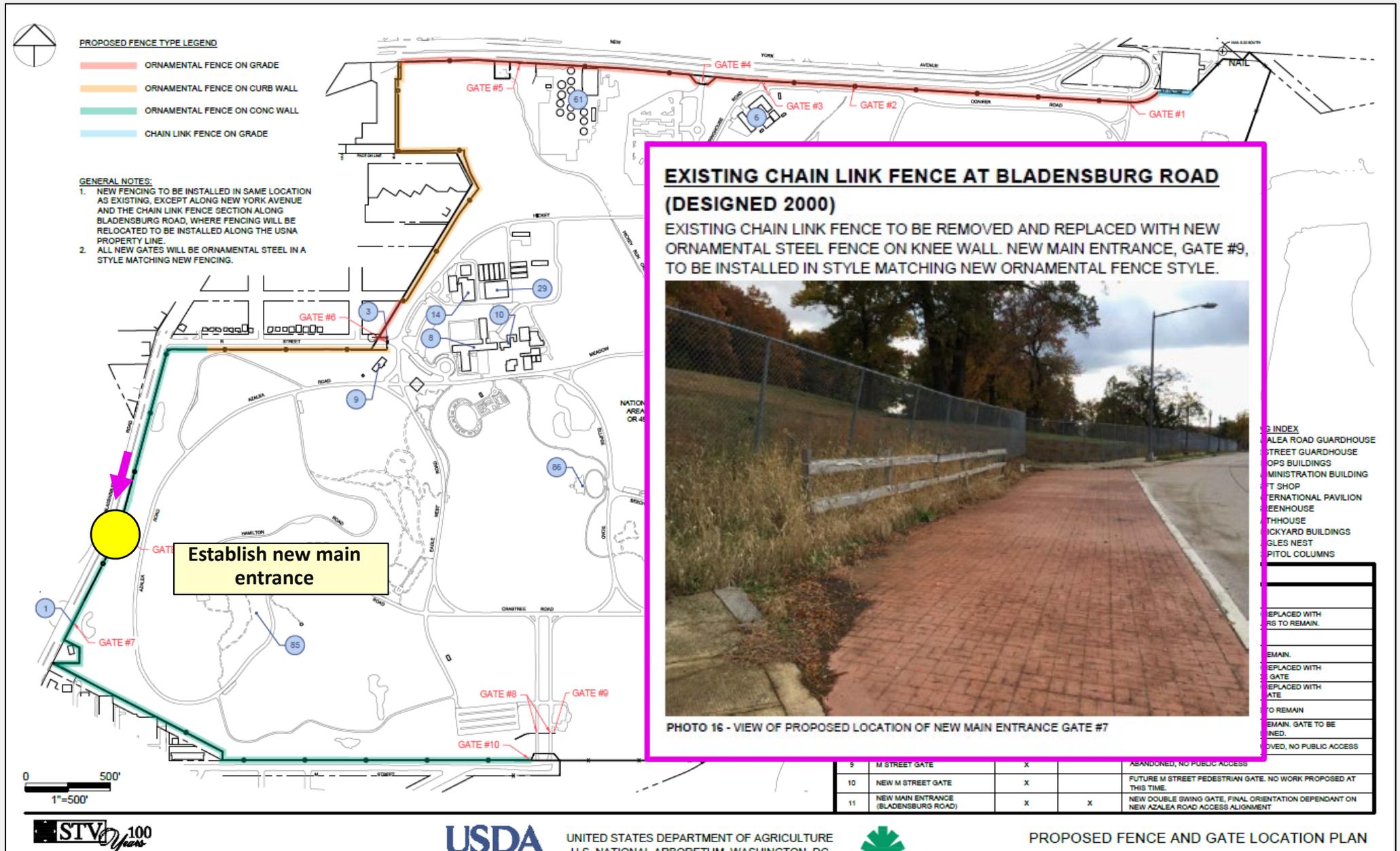


PHOTO 17 - VIEW OF PEDESTRIAN GATE

Proposal: Gates



FUTURE PROJECT



Potential Replacement Gates



ORNAMENTAL STEEL PERSONNEL GATE EXAMPLE

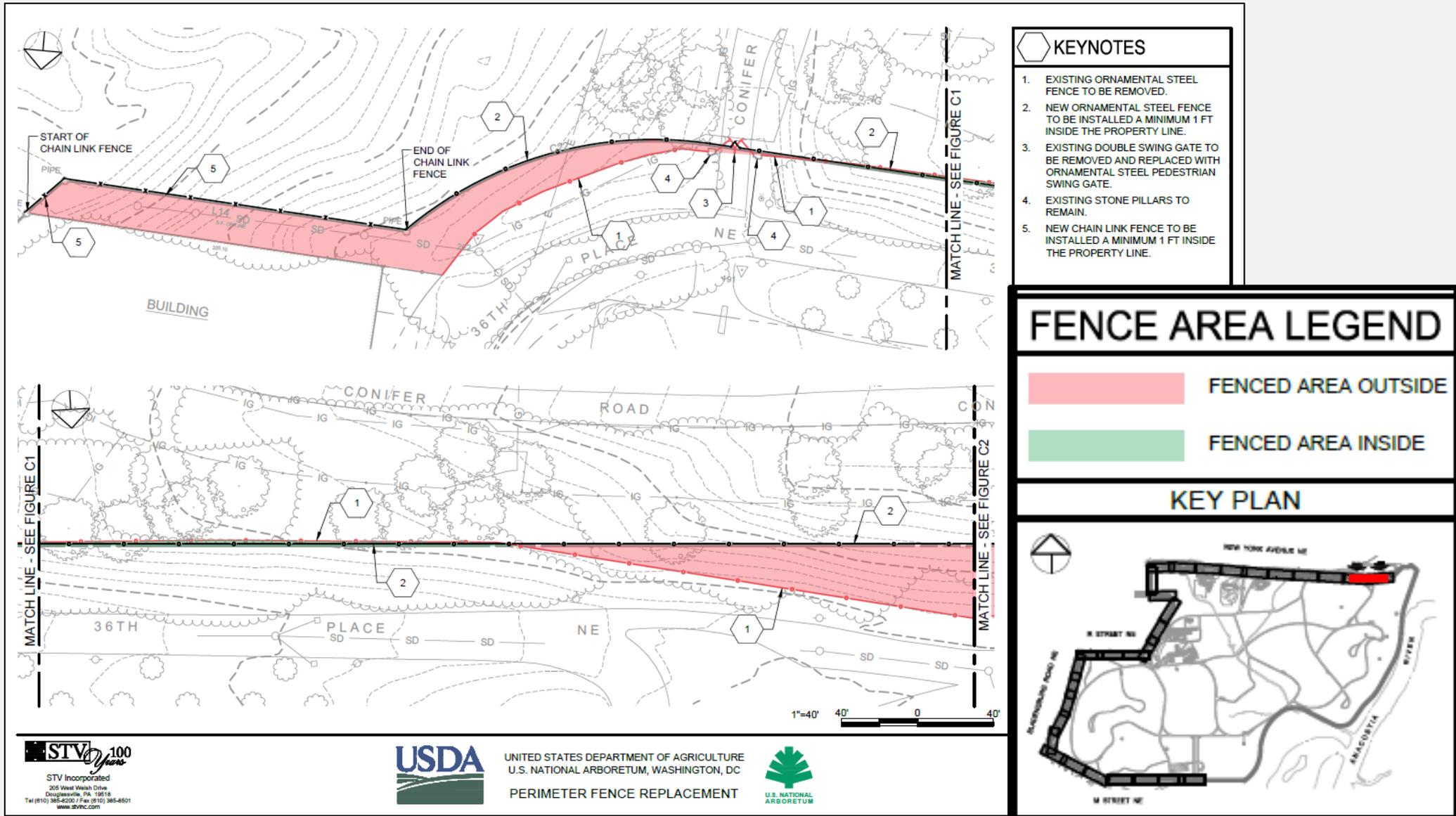
HEIGHT: MAX 8 FT ABOVE GRADE,
PICKET SPACING: MAX 4" CC
RAIL NUMBER: 3
COLOR: BLACK
POST TREATMENT: SQUARE CAP
GATE STYLE TO MATCH FENCE



ORNAMENTAL STEEL DOUBLE GATE EXAMPLE

HEIGHT: MAX 8 FT ABOVE GRADE,
PICKET SPACING: MAX 4" CC
COLOR: BLACK
POST TREATMENT: SQUARE CAP
GATE STYLE TO MATCH FENCE

Proposal: Fence Alignment Relocation

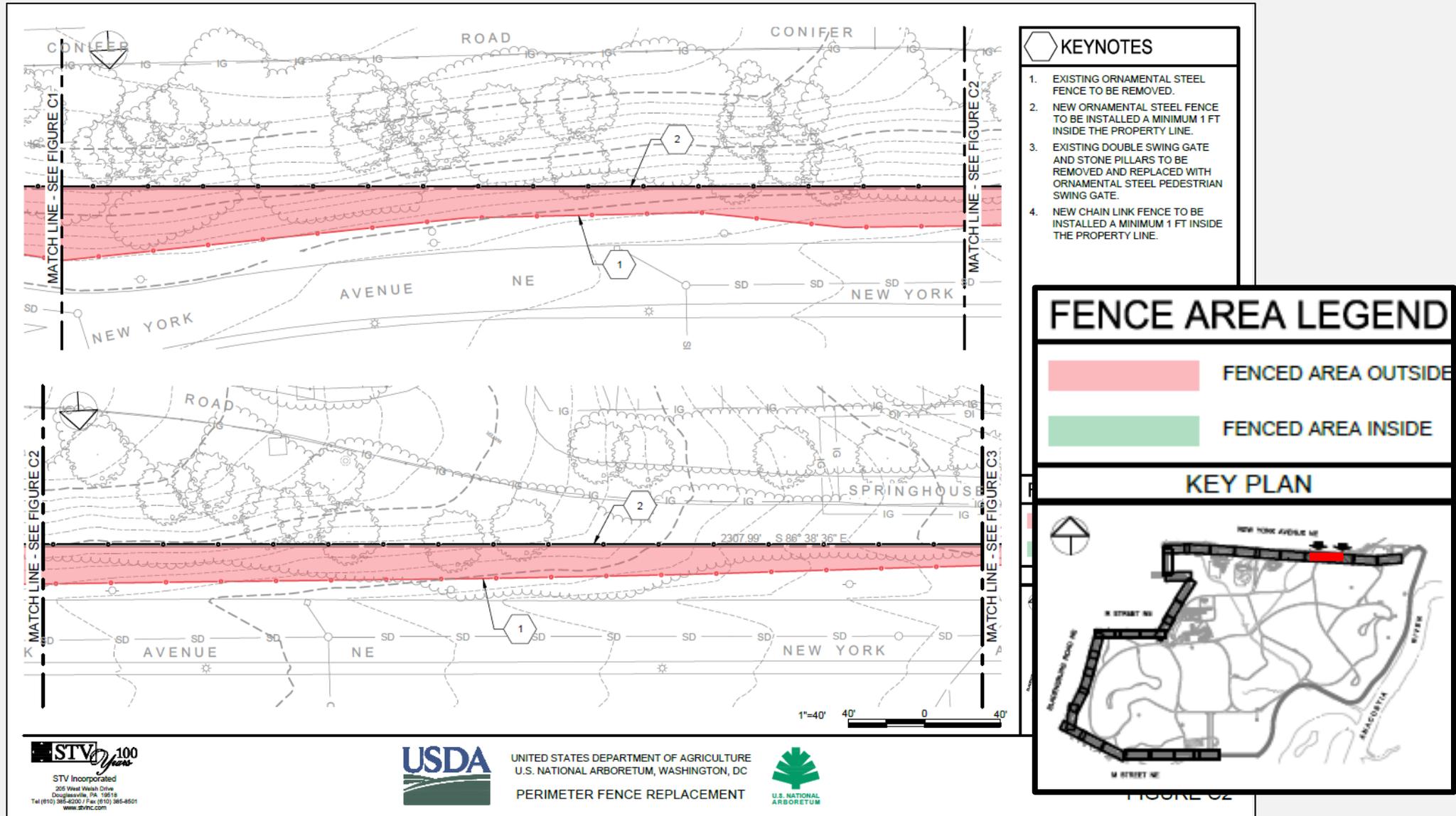


STV 100 Years
 STV Incorporated
 205 West Welsh Drive
 Douglasville, PA 19518
 Tel: (610) 385-6200 Fax: (610) 385-6501
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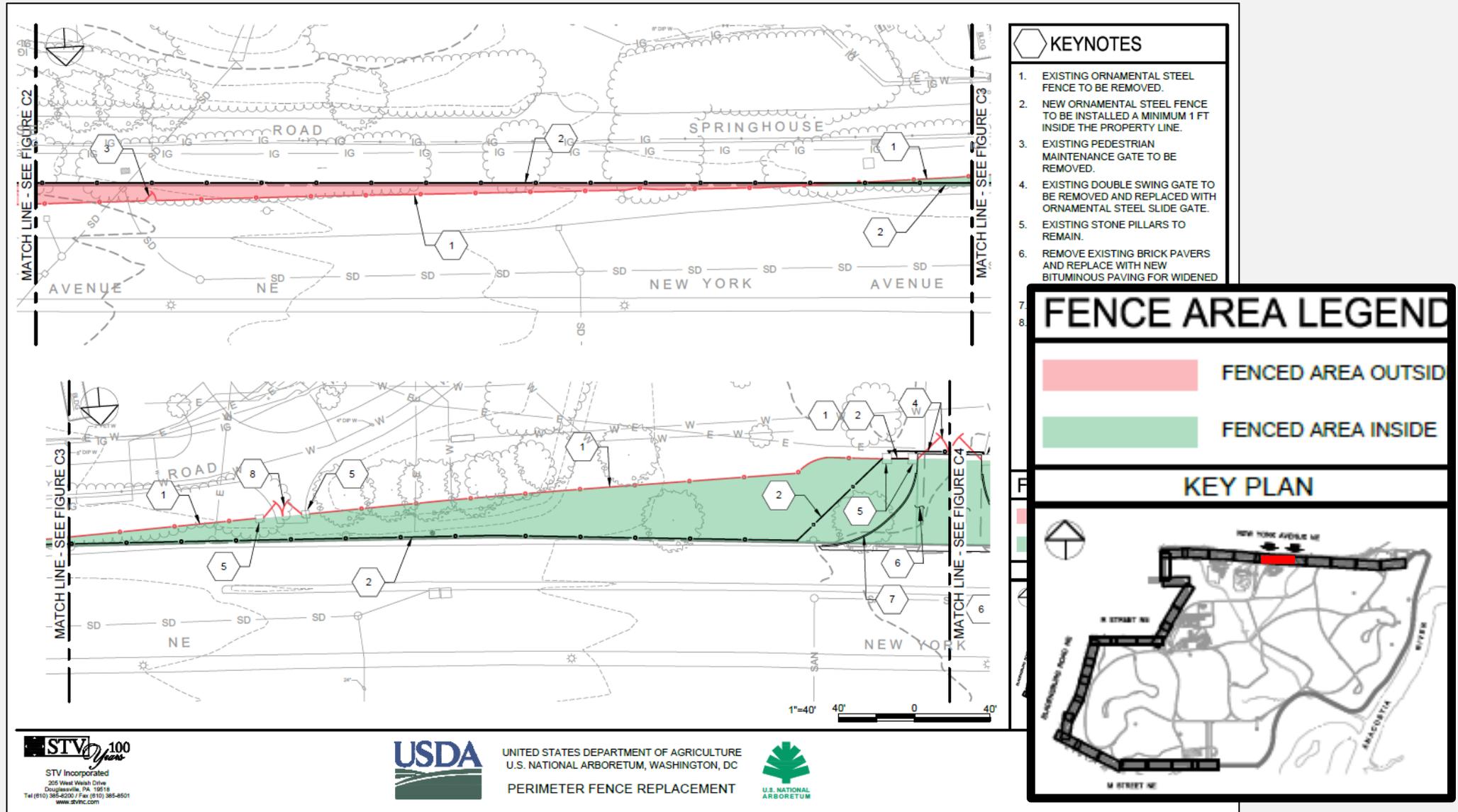
USDA UNITED STATES DEPARTMENT OF AGRICULTURE
 U.S. NATIONAL ARBORETUM, WASHINGTON, DC
 PERIMETER FENCE REPLACEMENT



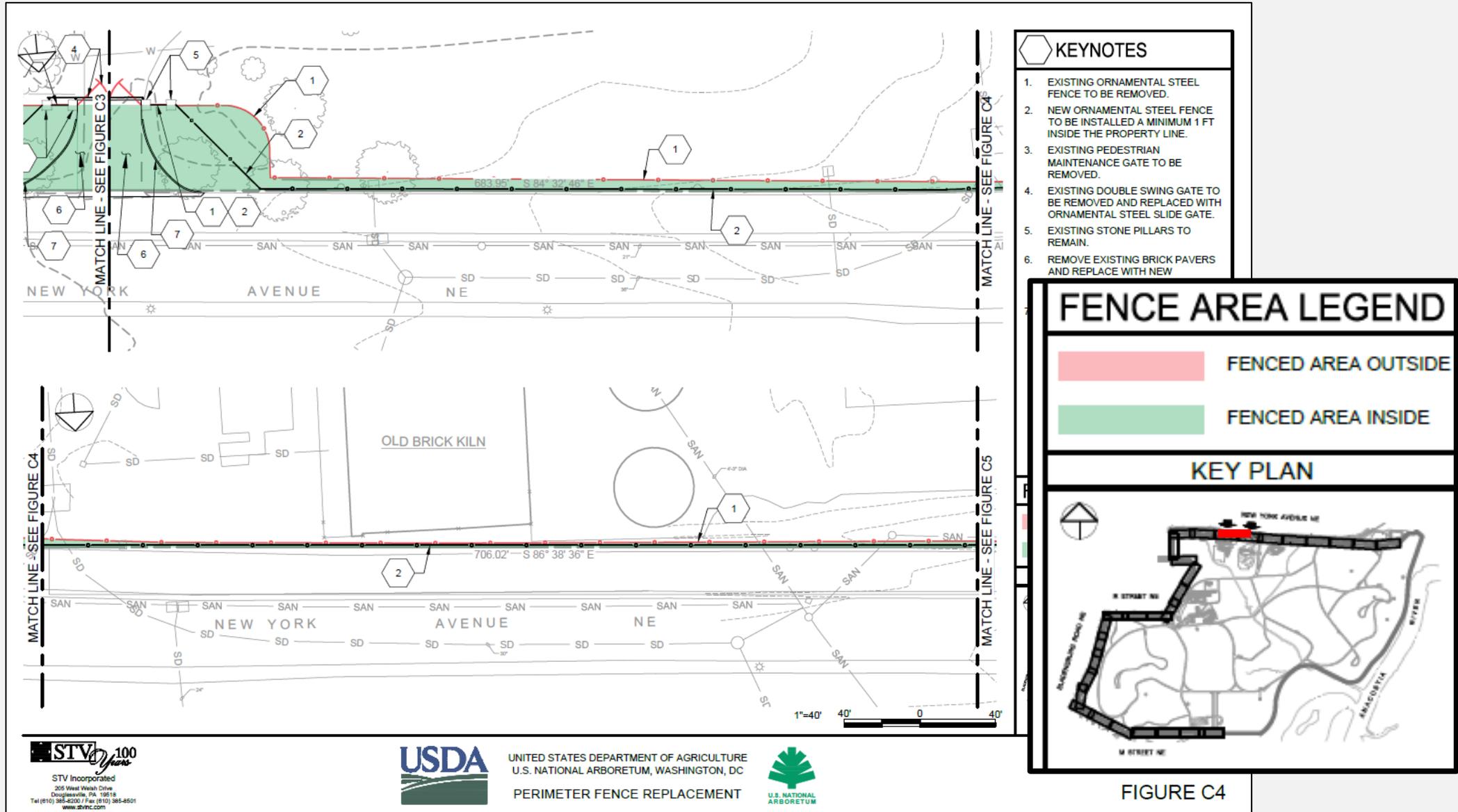
Proposal: Fence Alignment Relocation



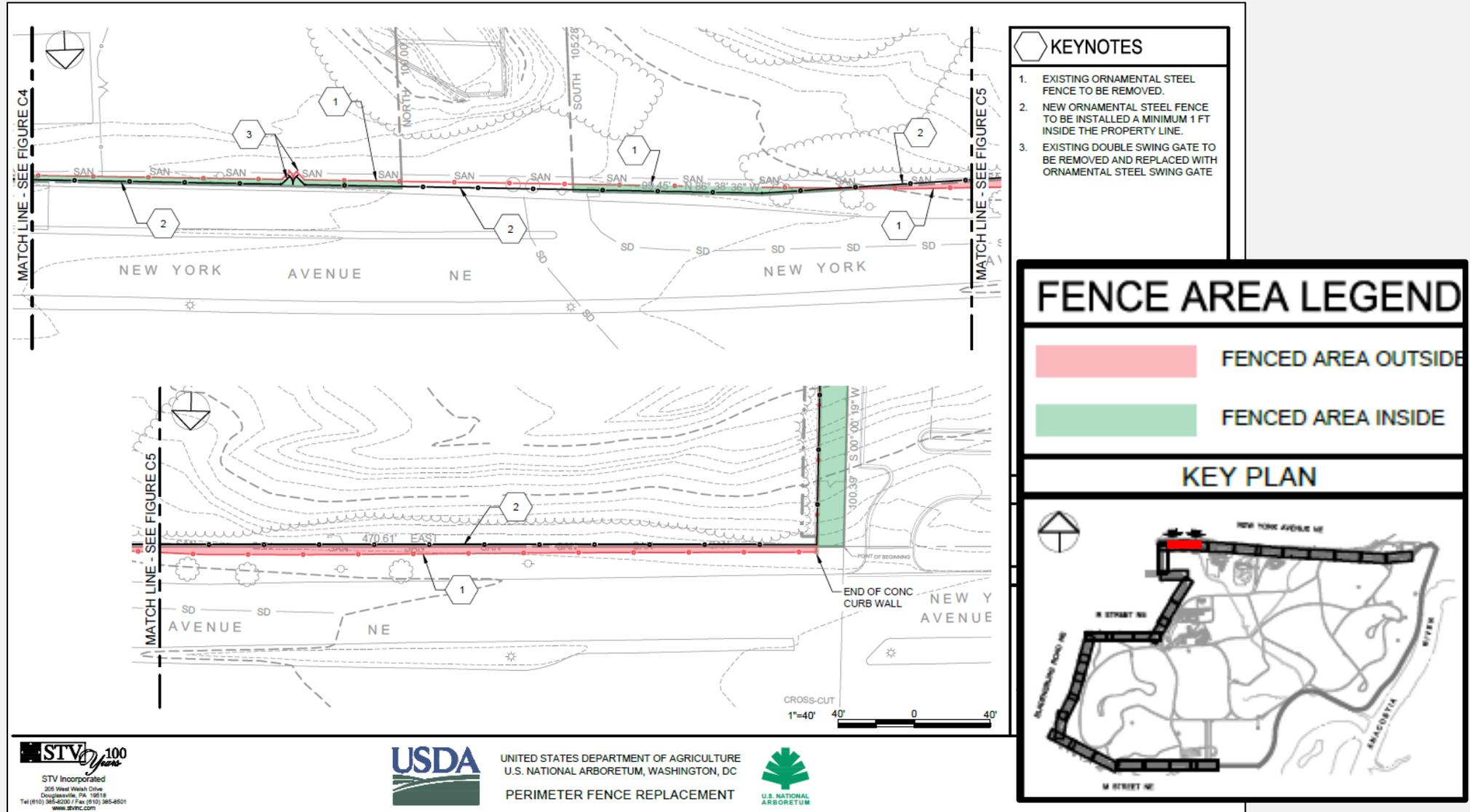
Proposal: Fence Alignment Relocation



Proposal: Fence Alignment Relocation



Proposal: Fence Alignment Relocation



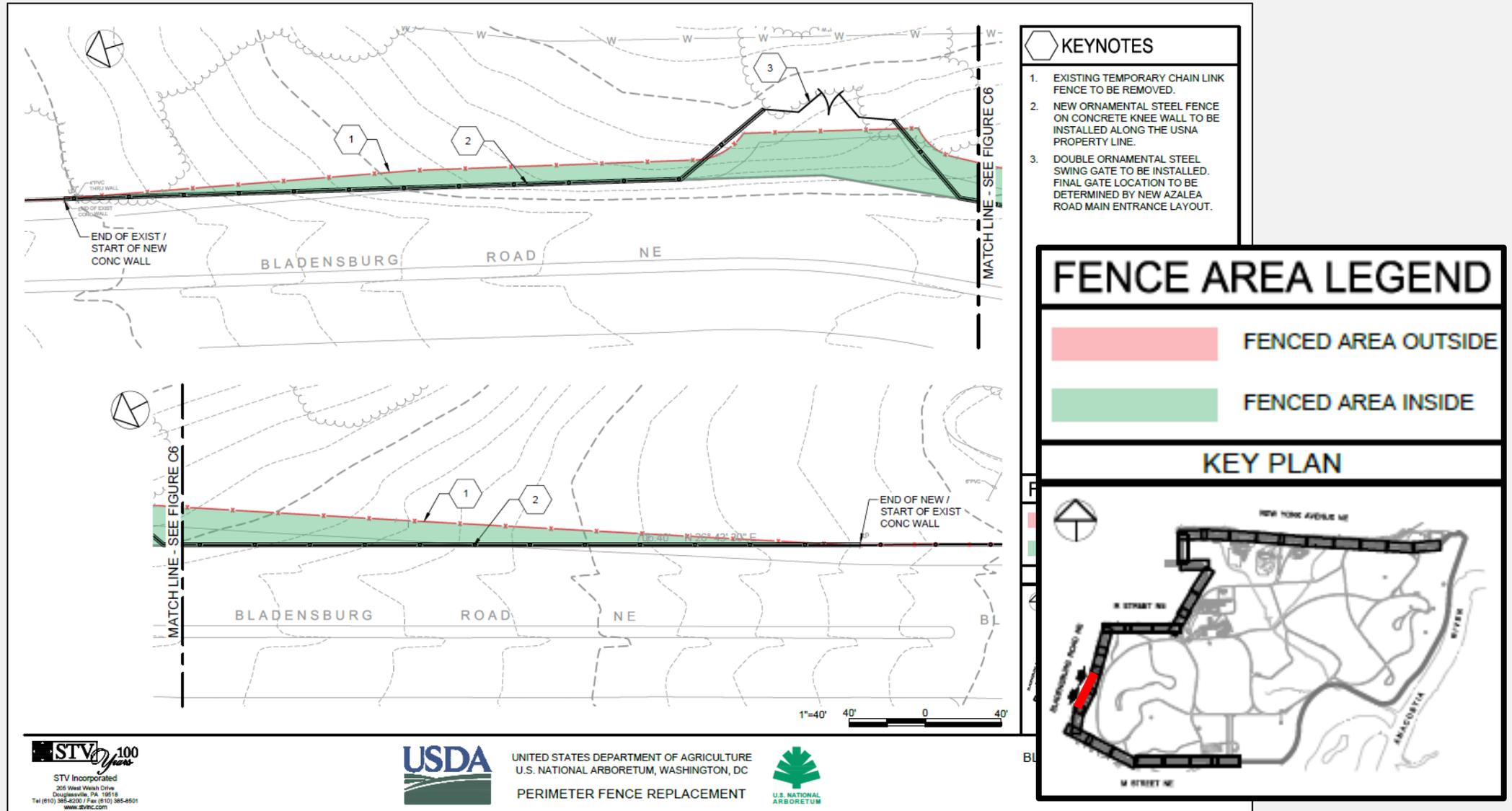
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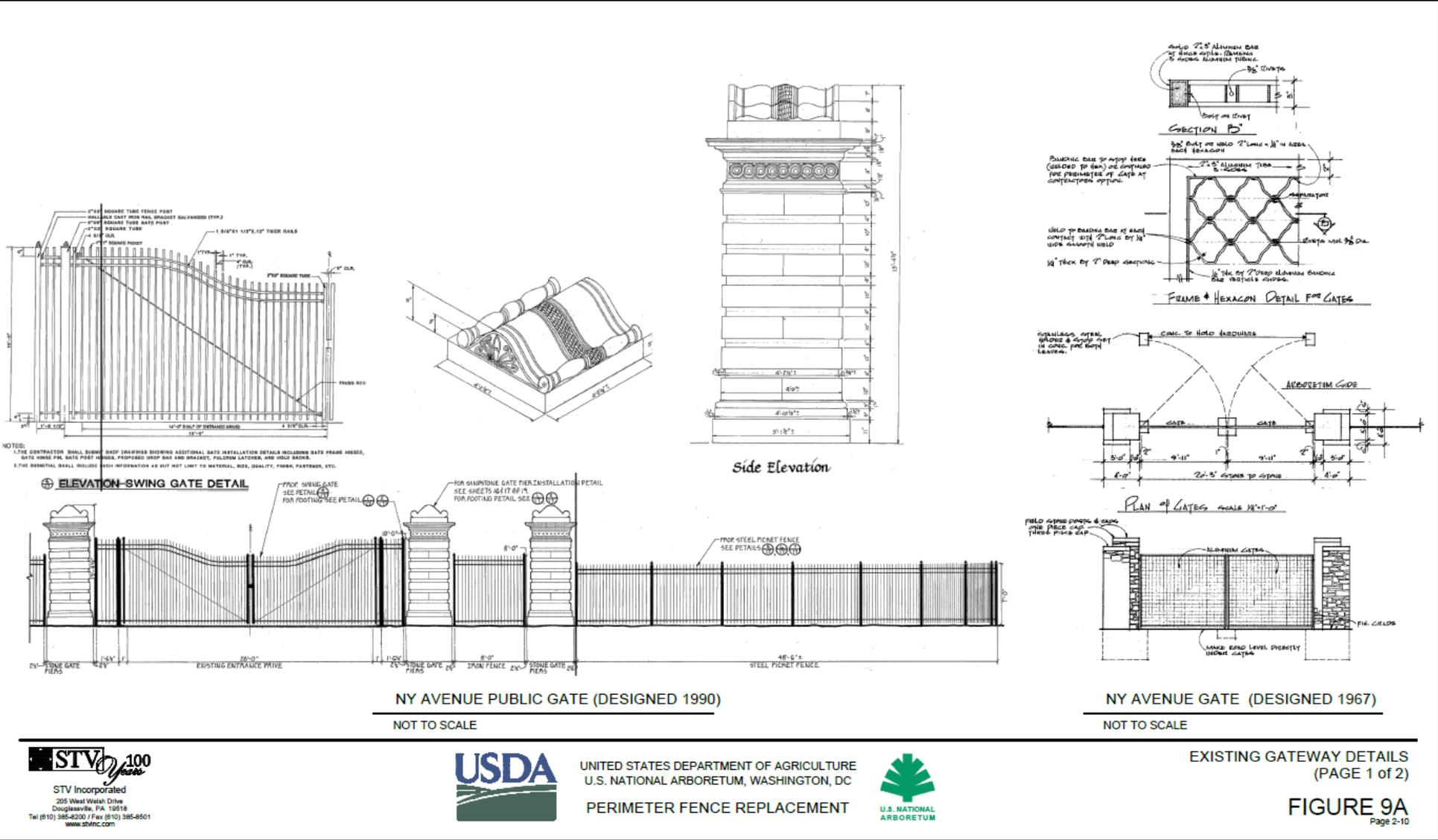
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 PERIMETER FENCE REPLACEMENT



Proposal: Fence Alignment Relocation



Existing Fence Details



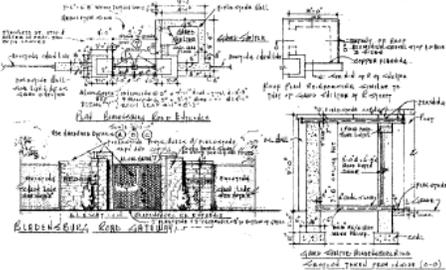
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PERIMETER FENCE REPLACEMENT



EXISTING GATEWAY DETAILS
(PAGE 1 of 2)

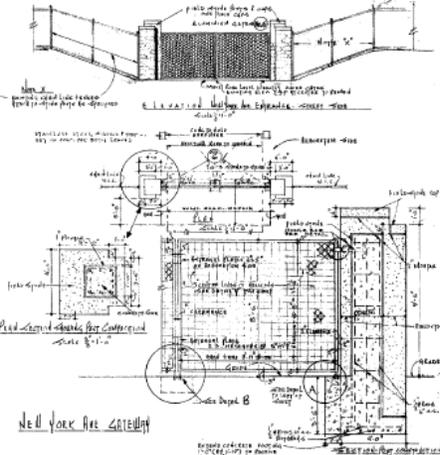
FIGURE 9A
Page 2-10

Existing Fence Details



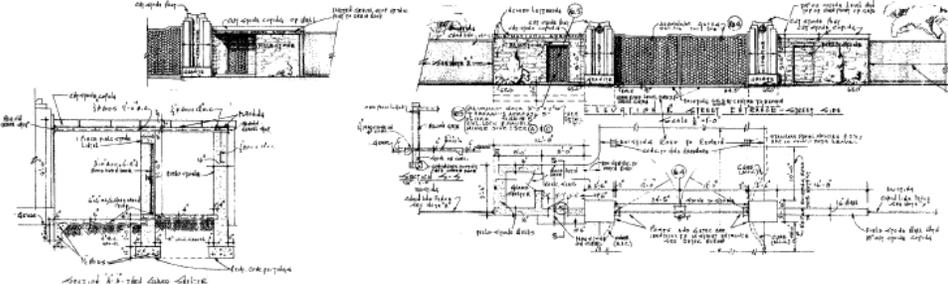
BLADENBURG GATE (DESIGNED 1960)

NOT TO SCALE



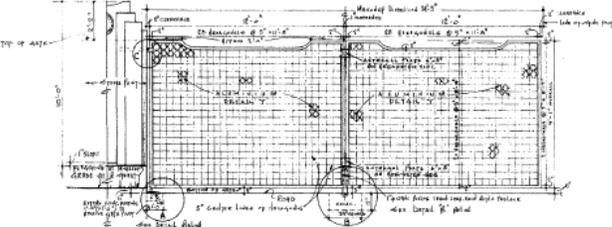
WASHINGTON TIMES GATE (DESIGNED 1960)

NOT TO SCALE



R STREET GATE (DESIGNED 1960)

NOT TO SCALE



M AND R STREET GATE (DESIGNED 1960)

NOT TO SCALE



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EXISTING GATEWAY DETAILS
(PAGE 2 of 2)

FIGURE 9B
Page 2-11

Existing Fence Details

