National Park Service
U.S. Department of the Interior

George Washington Memorial Parkway

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Triumphal Arch at Memorial Circle

Assessment of Effects Report

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1 Introduction

The National Park Service (NPS) is developing a design for the construction of a monumental arch, the Triumphal Arch (the Arch), within the George Washington Memorial Parkway in Washington, D.C. As a federal undertaking, this project is subject to Section 106 of the National Historic Preservation Act of 1966, as amended, and its implementing regulations (36 Code of Federal Regulations [CFR] Part 800) "Protection of Historic Properties" (Section 106). This Assessment of Effects Report describes the project (the proposed undertaking) and analyzes potential adverse effects on historic properties, including archeological resources, within the project area. It is being prepared as part of the continuing consultation process between the NPS, the District of Columbia Historic Preservation Office (DC HPO), Virginia Department of Historic Resources (VDHR), Federally Recognized Tribes, and other consulting parties.

Section 106 consultation for the proposed undertaking is being initiated with DC HPO, VDHR, and other entitled consulting parties per 36 CFR § 800.2(c)(1) and (3). These parties are marked with an asterisk in the list below. Other stakeholders and interested parties were invited to participate in consultation per 36 CFR §§ 800.2(c)(5) and 800.3(f)(2). The list below also includes parties from which NPS has received a request to consult, which NPS is still considering. All consulting parties and stakeholders were contacted via letters dated June 5, 2026.

Consulting Parties

- District of Columbia Historic Preservation Office*
- Virginia Department of Historic Resources*
- Advisory Council on Historic Preservation*
- Absentee Shawnee Tribe of Indians of Oklahoma Nation
- Catawba Indian Nation
- Chickahominy Indian Tribe
- Chickahominy Tribe Eastern Division
- Delaware Nation
- Monacan Indian Nation
- Nansemond Indian Nation
- Pamunkey Indian Tribe
- Rappahannock Tribe
- Shawnee Tribe
- Upper Mattaponi Indian Tribe
- National Capital Planning Commission
- Commission of Fine Arts
- Arlington County
- District of Columbia – Ward 2

- Arlington National Cemetery
- Department of War
- The Trump-Kennedy Center
- National Park Service - National Mall and Memorial Parks
- National Park Service - Rock Creek Park
- National Park Service – National Capital Region National Historic Landscape Program
- Federal Highway Administration
- Architect of the Capitol
- Georgetown 2E ANC Commission

Other parties that have requested consulting party status

- National Trust for Historic Preservation
- Committee of 100 on the Federal City
- DC Preservation League
- The Cultural Landscape Foundation
- National Parks Conservation Association\
- American Institute of Architects

1.1 Description of Undertaking

1.1.1 Purpose and Need

The purpose of the proposed undertaking is to celebrate 250 years of American independence by honoring America's founding principles through installation of an arch at the intersection of Arlington Memorial Bridge and Memorial Avenue within George Washington Memorial Parkway, in a manner consistent with the avenue's established role as a ceremonial gateway and "Avenue of Heroes" celebrating valor, sacrifice, and American heritage.

Arlington Memorial Bridge and Memorial Avenue serve as a ceremonial entrance to Washington, D.C. and the gateway to Arlington National Cemetery, physically and symbolically uniting the nation's history along a corridor already lined with monuments honoring diverse figures of American significance. Executive Order (EO) 14252, *Making the District of Columbia Safe and Beautiful*, directs the Secretary of the Interior to develop proposals to ensure federal buildings and lands uplift and beautify public spaces and generate in the citizenry pride in and respect for our nation, promoting beautification and the preservation of our history and heritage. Installation of an appropriate structure presents an opportunity to advance that directive within one of the most symbolically significant corridors in the Capital.

1.1.2 Proposed Undertaking

The proposed undertaking includes construction of the Arch within Memorial Circle, associated plaza and landscape improvements, supporting utility and stormwater infrastructure, traffic and pedestrian circulation modifications, security features, lighting, and temporary staging and laydown areas required for construction.

Appendix A contains plans, sections, and renderings of the proposed undertaking. These are for illustration purposes only and may not reflect the final design.

The Arch would be an approximately 250-foot-tall reinforced concrete structure clad in granite and ornamented by a central winged figure and two eagles, positioned above each Arch leg. Dimensions will be finalized during future design efforts. The following dimensions are current approximations. The principal architectural component would rise approximately 166 feet above finish grade, with surmounting statuary extending the total height to approximately 250 feet. The main footprint of the structure would be approximately 91 feet by 166 feet, with a 15,197-square-foot footprint at ground level. The maximum lateral projection at the upper cornice would extend to 107 feet 4 inches by 183 feet 4 inches. The structure would contain 70,072 gross square feet distributed across five levels: a ground level, two service mezzanine levels not open to the public, a gallery level, and an observation deck level. The observation deck would provide 9,812 square feet of exterior deck area at 161 feet 6 inches above grade.

The Arch would serve as a monumental architectural feature aligned with the axis between Memorial Avenue and the Arlington Memorial Bridge.

The Arch would be 166 feet wide with a 55-foot-wide opening, providing views from the observation deck to area landmarks.

The Arch would be built from concrete and finished with granite. The granite used for the Arch would be sourced from one of three quarries, located in Vermont, North Carolina, or California—depending on availability and desired color.

- Ground Floor Level: The ground level would contain security screening, back-of-house functions, and vertical circulation lobbies.

- Mezzanine Level: The mezzanine levels would contain mechanical and support spaces. The gallery level would contain exhibit space, back-of-house areas, restrooms, and vertical circulation lobbies, with the possibility of including a café and gift shop.

- Observation Deck: The observation deck level would include the vertical circulation lobby and exterior deck.

The Arch would include six stairways and five elevators. Two pairs of elevators in the north and south legs would serve the lower public levels, and a fifth elevator would serve the observation deck. Two large circular spiral stairs would connect the ground level to the gallery level; two

elliptical spiral stairs would connect the gallery level to the observation deck; and two egress stairs would connect all levels to dedicated exit-only doors at grade.

The proposed undertaking would also include site development within and immediately around Memorial Circle. A paved public plaza would surround the Arch inside the traffic circle. The plaza would be protected by a barricade seat wall generally located at the existing inner curb and by removable or retractable bollards at authorized vehicle access points. Exterior lighting would be installed to illuminate the Arch and plaza, and the undertaking would include minimal exterior signage, perimeter and rooftop security cameras, access-control systems for major doors and nonpublic areas, interior and exterior video surveillance, and a security screening area with walk-through magnetometers, x-ray equipment, and explosive trace detection equipment. Vehicle access to the plaza would be restricted to authorized maintenance, contractor, law enforcement, and emergency vehicles.

The Arch would be illuminated using a low spill, fully shielded lighting system designed to highlight the Arch. Illumination of the Arch would be supplemented by eight light stanchions, ranging from 14 to 20 feet in height, strategically located around the intersection. In addition, aviation required safety lighting would be incorporated into the design using the least intrusive technology available, ensuring compliance with aircraft visibility requirements while limiting unnecessary light emission.

Proposed Changes to Vehicle, Pedestrian, and Bicycle Use

During construction, temporary closures would be implemented, as follows:

- Westbound traffic from Arlington Memorial Bridge will be reduced to two lanes.
- Eastbound traffic from Memorial Avenue will not be able to turn northbound on Arlington Boulevard, and will be directed onto Arlington Memorial Bridge.
- Northbound traffic from Washington Boulevard will not be permitted into the circle, but will need to turn right onto Arlington Memorial Bridge.
- The sidewalk on the south side of the Circle would be temporarily rerouted to the north side.

Additional short-term closures and detours will be required at the beginning of the project to establish the maintenance of traffic configuration, during construction to accommodate utility installations, and again near the end of construction to complete final transportation-related elements.

Under the proposed undertaking, new traffic signals would be installed to control vehicle movements within and around Memorial Circle. The signalization plan would coordinate signal phases for all major vehicle approaches and activate pedestrian crossing phases through passive detection to ensure safe and efficient circulation for all users. These upgrades would replace

existing yield and merge conditions with full signal control. Signalization-related changes include:

- Full signalization of Memorial Circle and all pedestrian crossings
- Three coordinated signal groups at Washington Boulevard, Arlington Boulevard, and Memorial Avenue
- Eight new fully signalized pedestrian crossings accessing the center of the Circle
- Elimination of all existing yield and merge movements
- Pedestrian actuation and detection for walk phases that activate only when needed
- Dedicated signal phases for high-volume turning movements to minimize conflicts

The proposed undertaking would also include implementation of a series of physical modifications within and around Memorial Circle. These improvements would reshape roadway geometry, expand pedestrian space, and incorporate new materials and features that calm traffic and create safer conditions for people walking. Construction activities would include enlarging key median islands, converting existing pavement treatments to more durable and pedestrian friendly materials, and adjusting the circulating roadway to reduce speeds and better accommodate all users. Physical construction–related changes include:

- Enlarged median islands on the east and west sides of Memorial Circle
- Circulating roadway narrowed to approximately 20 feet
- Conversion of the pavement marked truck apron to a mountable concrete truck apron
- Replacement of existing Belgian block along the outer edge of the Circle with grass
- Recommended safety design features such as raised crossings, curb extensions, median refuge islands, reduced curb radii, and rumble strips
- Construction phase changes including closure of the southern half of the Circle, detouring two-way traffic to the north side, elimination of certain left turn movements, and temporary pedestrian routing with a new temporary crosswalk designed in compliance with the Americans with Disabilities Act and the Architectural Barriers Act, and meets the Public Right-of-Way Accessibility Guidelines incorporated into the Architectural Barriers Act Accessibility Standards.

The proposed undertaking would include designating a dedicated pickup and drop off area along Memorial Avenue to accommodate short-term loading and unloading and enhanced wayfinding to direct visitors toward designated safe crossings.

<u>Construction Phasing</u>

Construction of the Arch would occur in multiple phases over an approximately two-to-three-year period. Construction activities would generally proceed as described below.

Phase 1–Site Excavation (2–3 months). The initial phase would include site preparation, excavation within the construction footprint, and installation of temporary utilities. Temporary fencing, erosion and sediment control measures, stormwater management protocols, and staging areas would be established. Temporary pedestrian, bicycle and vehicle detours would be implemented.

Phase 2– Foundation and Support of Excavation (4–5 months). Following excavation, drill rigs would be mobilized to install the deep foundation system. Caissons would be installed to a depth of approximately 75 feet to reach bedrock. This phase would involve drilling and constructing reinforced concrete piles to support the future structure. Continuous heavy equipment operations would occur during this period.

Phase 3–Structural Concrete (10–11 months). After the foundation system is completed, crews would construct the primary structural components of the Arch. This phase would include use of tower cranes (up to 320 feet tall), forklifts, skid steers, and concrete pump systems to construct the vertical and horizontal elements of the Arch.

Phase 4–Precast Cladding (4–5 months). During this phase, the granite panels would be affixed to the Arch. Granite panels would be delivered from their source quarry and assembled on-site as the structure progresses. At the same time, work inside the structure would begin, including installing the stairs and elevators, starting the roofing system to make the building weather tight, and beginning major mechanical, electrical, and plumbing work.

Phase 5–Statue Placement and Ceiling Installation (5–6 months). Before the facade is fully completed, a scaffold system would be built to create a working platform to install the Arch ceiling panels. To install the statue, a 300’ tall mobile crane would be required to set and assemble the statue components. As the statue is constructed, a scaffold tower would need to be installed around it to facilitate access for connections, welding, and finishing of the statue. During these events, interior fit out would be concurrently running inside the Arch.

Phase 6– Site Hardscapes / Landscaping / Project Completion (6–7 months). At this phase, the project would be near completion. All the stone pavers and site walls would be set during this time, as well as the completion of any other landscape, hardscape, and stormwater management facilities. The interior features would be completed. The demobilization process would be underway and any construction related temporary traffic control would be removed. Permanent traffic changes, including changes to signalization, installation of crosswalks, etc. would be put in place.

Phase 7–Site Restoration and Demobilization (2 months). At the conclusion of construction, the contractor would remove temporary infrastructure, staging materials, and construction fencing.

Disturbed turf and landscape areas within NPS jurisdiction would be restored to preconstruction conditions.

Staging Areas

The construction staging footprint would encompass approximately 45,000 square feet immediately south of the project site, with an additional 80,000 square feet designated for parking and to minimize vehicular traffic obstruction. The staging area would be surfaced with geotextile fabric and six inches of stone to protect underlying soils. These areas would support equipment storage, material laydown, and construction trailers. After construction is complete these areas would be restored to their current condition and replanted. Tree removal is not anticipated at this time.

Utility Installation

To support operation of the Arch and associated facilities, new potable water, sanitary sewer, electric, gas and telecommunications utilities would be extended to the Memorial Circle area.

Utilities would be extended to the site using one or more of three anticipated utility corridors. Utilities would be routed through any single corridor or combination of corridors depending on engineering needs, construction feasibility, and coordination with existing infrastructure. Installation of utilities would occur over multiple construction phases identified above.

Utility corridors include:

- Connection from existing utilities near the Arlington National Cemetery Welcome Center, along Memorial Drive, and across the Boundary Channel Bridge or under the Boundary Channel by horizontal directional drilling (HDD)

- Connection from existing utilities near the Columbia Island Marina and near the Pentagon, along or within Washington Boulevard and George Washington Memorial Parkway

- Connection from existing utilities near the Lincoln Memorial, crossing underneath by HDD, within, or attached to the Arlington Memorial Bridge

Installation methods may include open trenching, HDD, embedding utilities within or beneath existing roadways and bridges, or affixing them to bridge structures, with final method selection occurring during subsequent design phases.

Stormwater Management Actions During Construction

During construction, stormwater and erosion control practices would be implemented across the construction site to minimize sediment transport and protect adjacent drainage systems and waterways. Perimeter controls would include installing silt fence or mulch socks along all site fencing to prevent runoff from leaving the disturbed areas. Stormwater and any accumulated

groundwater would be managed through a sediment treatment tank prior to discharge into the existing sewer system.

To protect inlets within and adjacent to the work zone, storm drains would be fitted with inlet protection devices. At primary site access points, a stabilized construction entrance would be established, consisting of a concrete apron paired with a 20-foot track of stone to remove sediment from vehicle tires before they enter public roadways. These measures are designed to provide effective sediment control, limit off-site impacts, and maintain compliance with applicable stormwater requirements.

Long-term Stormwater Management

Since the project would create approximately 62,875 square feet of new impervious surface, on-site stormwater retention is required under District of Columbia regulations. Preliminary estimates indicate a retention volume of about 6,300 cubic feet, with final calculations to be developed during detailed design and included in the stormwater management plan.

To meet these requirements, the project would incorporate perimeter bioretention facilities within the landscaped zones around the monument and within the traffic circle. These features would capture and treat runoff stormwater, reduce reliance on underground structures, and be designed with appropriate pretreatment, overflow, and underdrain components to meet standards developed in compliance with District of Columbia stormwater management regulations.

Groundwater and Dewatering Approach

Geotechnical investigations indicate that groundwater is located roughly 15 feet below the existing surface. As a result, only minimal dewatering would be required during construction. Water management efforts would focus on collecting shallow stormwater and surface water that accumulates in excavations. Small sump pumps would direct this water to a sediment treatment tank before it is discharged into the existing storm sewer system. Construction wastewater, expected to be minimal, would be contained and transported off-site for proper disposal, rather than discharged on site.

Soil Excavation

The project would require the removal of approximately 1,400 truckloads of existing soils and the import of roughly 400 truckloads of engineered fill. All construction vehicles would be staged within the designated south project staging lot, with loading and unloading occurring inside the project fence to reduce congestion on adjacent roadways. Daily trucking activity is anticipated to involve between 20 and 30 trucks, transporting an estimated 80 to 100 loads per day. Excavated soils would be transported to approved disposal facilities in Maryland or Virginia, contingent upon the results of in situ characterization and contamination testing.

Construction Equipment and Work Hours

Construction would require several tower cranes, forklifts, skid steers, drill rigs, and concrete pumping systems. Work would occur year-round, with work occurring in two 10-hour shifts per day (20 hours per day, year-round) for the duration of the construction period.

Road Closures and Transportation Routes

The south side of Memorial Circle is anticipated to remain closed for the majority of construction and will represent the primary transportation access impact during this time. To maintain traffic operations, eastbound traffic from Memorial Avenue will be shifted to the north side of the circle.

During this configuration, certain lower-volume movements will be temporarily restricted. Eastbound traffic from Memorial Avenue will not be permitted to turn northbound onto Arlington Boulevard and will instead be directed onto Arlington Memorial Bridge. Northbound traffic from Washington Boulevard will also be restricted from entering the circle and will be required to turn right onto Arlington Memorial Bridge. Westbound traffic from Arlington Memorial Bridge will also be reduced to two travel lanes.

During this time, pedestrian and bicycle access will be maintained through a short detour. This detour will include one additional crossing of two travel lanes, with a rectangular rapid flashing beacon installed to improve crossing visibility and support safer pedestrian and bicycle movements through the construction area.

Additional short-term closures and detours will also be required at the beginning of the construction to establish the maintenance of traffic configuration, and again near the end of construction to complete final transportation-related elements.

Construction deliveries and haul-off activities would primarily access the project site via I395 using Route 27, which provides the most direct and operationally feasible connection to the south project staging area. As a secondary option, U.S. Route 50 (Arlington Boulevard) may be used when needed, as it offers acceptable access for construction vehicles.

Daily construction trucking would involve approximately 20–30 trucks transporting an estimated 80–100 loads per day. To limit congestion and avoid impacts to public roadways, trucks would be staged within the south project staging lot and all loading and unloading activities would occur inside the project fence line. This approach would maintain safe traffic flow and reduce conflict points between construction vehicles and the surrounding transportation network.

Proposed Visitor Access and Visitor Facilities at the Triumphal Arch

Visitor use would be managed through a timed entry system, similar to the system used at the Washington Monument, which may be administered online, on-site, or through a combination of both. Visitors would arrive at their designated entry time, enter a queue, proceed to the screening area on the first floor of the Arch, and undergo security screening before entering the public area of the Arch.

After screening, visitors would enter the public area of the Arch and proceed to the mezzanine level by either the stairs or the elevator. The internal circulation system would allow visitors to access the mezzanine, which houses all visitor service functions, including exhibit space, a café, a gift shop, and public restrooms. Visitors may experience guided time and free time within the public area of the Arch and would be expected to depart by the designated exit time to maintain capacity for entry of additional visitors.

1.2 Historic Summary of the Project Area

The immediate project area is located within the Memorial Avenue Corridor cultural landscape, a nationally significant historic designed landscape extending between the Lincoln Memorial in Washington, D.C., and Arlington National Cemetery in Arlington, Virginia (see Figure 1 in Appendix B). The corridor consists of the Watergate Steps, the Rock Creek and Potomac Parkway Entrance, Arlington Memorial Bridge, Memorial Circle, Memorial Avenue Bridge over Boundary Channel, Memorial Avenue, and the ceremonial entrance sequence into Arlington National Cemetery at the Arlington Hemicycle. Memorial Circle serves as the link between the Arlington Memorial Bridge and Memorial Avenue, providing a hub to secondary destinations and routes within a compressed urban geography. The circular travel pattern provides a scenic route for commuters to experience the Memorial Avenue Corridor. The entirety of the corridor forms a major component of the monumental core of Washington, D.C. and was conceived as both a ceremonial gateway to the nation's Capital and a symbolic landscape commemorating national unity and reconciliation following the Civil War.

The conceptual origins of the corridor date to the report of the 1901–1902 Senate Park Commission, commonly known as the McMillan Plan (U.S. Congress 1902), which proposed a monumental bridge and axial landscape composition linking the planned Lincoln Memorial with Arlington House, the former home of Robert E. Lee

The bridge alignment and associated ceremonial landscape were intended to physically and symbolically unite North and South through a coordinated monumental composition extending across the Potomac River. The corridor was designed principally by the architectural firm McKim, Mead & White under project architect William Mitchell Kendall and reflects the formal planning principles of the City Beautiful movement and Beaux-Arts monumental design.

Construction of the corridor occurred in phases between the 1920s and 1940s. Arlington Memorial Bridge was constructed between 1926 and 1932, while Memorial Avenue and associated bridge and landscape features were developed concurrently. The corridor was designed as a processional sequence integrating architecture, engineering, sculpture, transportation systems, vegetation, and expansive reciprocal views. Arlington Memorial Bridge established a new monumental crossing of the Potomac River and extended the east-west monumental axis of Washington westward toward Arlington National Cemetery and Arlington House. The corridor was conceived as an "Avenue of Heroes," with memorial niches and commemorative landscapes incorporated into the overall design framework.

Memorial Circle occupies a central and highly significant position within this composition. Located on Columbia Island, now Lady Bird Johnson Park, Memorial Circle forms the ceremonial hinge between Arlington Memorial Bridge, Memorial Avenue, the George Washington Memorial Parkway, and the Mount Vernon Memorial Highway. Early plans for the Columbia Island plaza envisioned a far more monumental treatment than the traffic rotary ultimately constructed. Designers centered a formal, cruciform plaza on the east-west axis of the avenue corridor and proposed two monumental columns offset in hemispherical transepts framing the corridor. The proposed column bases were 33.5 feet wide and tapered to fluted columns rising 166 feet in height topped with winged victory figures symbolizing the reunification of the North and South following the Civil War (see Figures 2 and 3 in Appendix B). Additional proposals included monumental pavilions, fountains, balustrades, Greek temples, and cross-axis roadway compositions before the design was gradually simplified through the 1930s into the existing traffic rotary configuration designed principally by landscape architect Gilmore D. Clarke.

Memorial Circle was ultimately constructed beginning in 1940 and was intended to function as a formal organizing landscape feature within the larger ceremonial composition extending between the Lincoln Memorial and Arlington National Cemetery. Four monumental pylons framing the entrances to Arlington Memorial Bridge and Memorial Avenue were among the principal architectural features implemented from the earlier McKim, Mead & White design concepts.

The landscape surrounding Memorial Circle evolved substantially during the mid-twentieth century. While early designs emphasized formal open spatial relationships around the rotary, the character of the surrounding landscape changed during implementation of the Beautification Program associated with First Lady Claudia “Lady Bird” Johnson during the 1960s. Landscape architect Edward Durell Stone, Jr. developed a planting plan for Columbia Island that introduced extensive plantings of flowering dogwoods, white pines, daffodils, and other vegetation around Memorial Circle and throughout Lady Bird Johnson Park. These plantings transformed the character of Memorial Circle from a largely open rotary into a more heavily framed and naturalistic landscape setting while maintaining the circle’s ceremonial and commemorative role within the larger corridor composition.

Today, the Memorial Avenue Corridor remains nationally significant for its architecture, landscape architecture, engineering, sculpture, and community planning associations, as well as for its symbolic role linking the Lincoln Memorial, Arlington National Cemetery, and Arlington House through a unified monumental landscape composition. Character-defining features include the axial organization of the corridor, ceremonial circulation systems, formal views and vistas, memorial landscapes, bridge and roadway structures, holly hedges and white oak plantings along Memorial Avenue, and the reciprocal visual relationships across the Potomac River between the monumental core of Washington and the Arlington landscape.

Consistent with these historical associations and design developments, the 2024 cultural landscape report (Frisbie et al. 2024) defines the period of significance for the Memorial Avenue Corridor as 1901–1979, and recognizes its significance at the national level under Criteria A (in the area of Politics/Government) and C (in the areas of Architecture, Engineering, Landscape Architecture, Art—Sculpture, and Community Planning and Development), and also Criteria Consideration F (Commemorative property) and G (property elements added within the last 50 years). This period of significance, and these areas of significance, encompass the initial conception and composition of the corridor as a commemorative and recreational landscape, the construction of the Arlington Memorial Bridge and other corridor features, and the fuller realization of the corridor's design through the installation of memorials and the landscape designs associated with landscape architect Edward Durell Stone, Jr.

2 Regulatory Framework

The National Historic Preservation Act (NHPA), enacted in 1966, is America's foundational historic preservation law. The overarching goal of this federal law is to preserve historic resources across the country by ensuring that federal agencies consider potential impacts to historic properties when planning, making decisions, funding, permitting, or conducting activities. While the NHPA does not mandate the preservation of historic properties, it acknowledges the importance of preserving our nation's diverse heritage and directs federal agencies to act as responsible stewards of historic properties. Two sections of the NHPA, Section 106 and Section 110, establish requirements for federal agency programs. For the purposes of this assessment, they will be used to evaluate the project's effects to historic properties.

Section 106 (discussed in Section 2.1) requires federal agencies to consider the effects of their actions, known as undertakings, on historic properties prior to the issuance of any license, permit, approval, or expenditure of federal funds. It also establishes that the Advisory Council on Historic Preservation (ACHP) must have a reasonable opportunity to comment on any federal agency undertaking. The goal of Section 106 is for federal agencies to integrate preservation values and public input into their planning and decision-making processes. Section 110 (discussed in Section 2.2) focuses on federal stewardship of historic properties. It sets out the broad federal historic preservation responsibilities and is intended to ensure that historic preservation is fully integrated into the ongoing federal agency programs. It also includes a specific provision for the protection of National Historic Landmarks (NHLs). Additionally, EO 14252 (discussed in Section 2.3) addresses the federal government's responsibilities to beautify and make safe and prosperous the District of Columbia.

2.1 Section 106

Section 106 of the NHPA (54 U.S.C. § 306108) requires federal agencies to take into account the effects of their actions on historic properties. The NHPA also created the ACHP and authorized the agency to issue regulations governing the implementation of Section 106. These regulations

are set forth in 36 CFR Part 800. The Section 106 process seeks to incorporate historic preservation principles into project planning through consultation between a federal agency and other parties with an interest in the effects of the federal agency's action on historic properties. Section 106 consultation includes four main steps: initiating consultation; identifying historic properties that could be affected by the undertaking; assessing the undertaking's effects on historic properties; and seeking ways to avoid, minimize, or mitigate any adverse effects on those properties.

Section 106 also includes special requirements for considering NHLs in the Section 106 process (36 CFR § 800.10). The regulations require the ACHP and the Secretary of the Interior to be invited to participate in Section 106 consultation whenever a project has an effect meeting the criteria of 36 CFR § 800.5(a)(1) on an NHL. Portions of the area of potential effect (APE) are within an NHL historic district, and Section 110(f) applies to this assessment of effects for the project (see Appendix D.)

2.2 Section 110(f)

Section 110(a)(2) of the NHPA (54 U.S.C. § 306102) requires agencies to establish preservation programs for the identification, evaluation, nomination, and protection of historic properties to the National Register of Historic Places (NRHP). The NPS maintains inventories for historic structures, archeological sites, and cultural landscapes that are listed, or eligible for listing, on the NRHP in the Cultural Resources Inventory System.

Section 110(f) of the NHPA (54 U.S.C. § 306107) also requires that federal agencies exercise a higher standard of care when considering undertakings that may directly and adversely affect one or more NHLs. It requires that agencies "to the maximum extent possible undertake such planning and actions as may be necessary to minimize harm to the landmark."

2.3 Executive Orders

EO 14252, titled "Making the District of Columbia Safe and Beautiful," is a presidential directive aimed at improving Washington, D.C.'s public safety, appearance, and overall civic image through coordinated federal action. The order directs the Department of the Interior "to ensure Federal buildings or lands adequately uplift and beautify public spaces and generate in the citizenry pride in and respect for our Nation." Elements of the NPS's implementation of the EO include development and construction of beautification efforts such as restoring monuments, redesigning and rehabilitating public spaces, removing graffiti, upgrading parks and infrastructure, and enhancing the visual character of the nation's Capital. The EO emphasizes transformative improvements to D.C.'s landscape including creation of safer, greener, and more visually impressive public environments and monumental landscapes. The broader goal of the

EO is to position Washington as a Capital city that actively reflects national pride, historical significance, and a renewed investment in high-quality public spaces.

3 Area of Potential Effects

3.1 Guidance for Area of Potential Effect Development

The Section 106 regulations define an APE as "the geographic area within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist. The APE is influenced by the scale and nature of an undertaking and may be different for different kinds of effects caused by the undertaking" (36 CFR § 800.16[d]). The APE is defined to allow for the evaluation of potential effects to historic properties resulting from an undertaking.

According to the steps prescribed by the Section 106 regulations, the APE must be defined before the identification of historic properties and evaluation of potential effects occurs. Types of effects on historic properties may include the following:

- Direct (comes from the undertaking at the same time and place with no intervening cause; can be visual, physical, auditory, etc.)
- Indirect (caused by the undertaking that are later in time or farther removed in distance but still reasonably foreseeable)
- Temporary
- Future
- Cumulative

Adverse effects occur when an undertaking may directly or indirectly alter characteristics of a historic property that qualify it for inclusion in the NRHP. Examples of adverse effects are stated in 36 CFR § 800.5(a)(2). Adverse effects have the potential to occur both during the construction and operational periods of a project.

For each undertaking, the Section 106 regulations (36 CFR Part 800) require the lead federal agency to determine an APE boundary that considers multiple types of effects on historic properties, rather than multiple APEs that address various effects. However, non-contiguous APEs may be developed to include multiple alternative project areas or multiple areas where possible effects may be reasonably anticipated. The regulations also require the lead federal agency to seek information from consulting parties and others likely to have knowledge of, or concerns with, historic properties in the area, to identify issues relating to the undertaking's potential effects on historic properties.

The VDHR provides guidance on APE development, requiring the APE to include all locations where the project will cause ground disturbance, all locations from which the project may be

visible or audible, and all locations where the project may result in changes to land use, public access, traffic patterns, etc. The DC HPO does not offer comparable guidance.

3.2 Area of Potential Effect Development

To begin developing the APE for this project, the NPS referenced the APEs developed for other recent federal undertakings that involved major construction and physical prominence in the Potomac River basin, including the rehabilitation of the Arlington Memorial Bridge, the Rehabilitation of the Lincoln Memorial, the rehabilitation of the Tidal Basin and West Potomac Park seawalls, and the Long Bridge Project. Reviewing the APE development and consultation process for these prior projects informed the drafting of the initial APE for this project by identifying considerations and analysis raised in prior efforts that are germane to the current proposed undertaking. Additionally, it allowed the NPS to consider consulting party input on those prior APEs that may also be relevant to the APE of this project.

To establish preliminary boundaries for the APE, aerial imagery basemaps in ArcGIS Pro and Google Earth were used to identify the general extents of potential construction and visual impacts. To inform the outer boundaries of the preliminary APE and identify critical study areas within it, the NPS analyzed photographs of important viewsheds, as well as architectural landscape renderings developed by the project's designers that overlay the proposed undertaking on those viewsheds. This analysis of APE outer extents considered areas of higher elevation (from which views would be more likely); major urban infrastructure (particularly elevated structures that would have a greater potential to block views); and other urban conditions like building density, street patterns, tree coverage, and potential viewsheds.

The NPS then used existing cultural resources GIS tools to identify, map, and list cultural resources within the APE. The NPS consulted data from the Cultural Resources Inventory System (CRIS), the Virginia Cultural Resources Inventory System (VCRIS), and the National Register Information System including nomination documentation held at the National Archives. Once the APE was drafted, the impacted resources were gathered using a selection-by-location tool in ArcGIS Pro. This geoprocessing tool allows a user to select resources from one set of layers (in this case the data layers containing data for the National Register, National Historic Landmark, CRIS-CL, and CRIS-HS programs) using a defined spatial limit (in this case the preliminary boundary for the APE).

3.3 Description of Preliminary Area of Potential Effects

The APE for this project encompasses the area in which the NPS anticipates that direct and/or indirect effects to historic properties are possible. Within the overall APE, the NPS has identified an "area of direct effects." This area includes the immediate proposed construction footprint, directly adjacent areas, and the primary ceremonial axis linking the Washington D.C. monumental core with Arlington National Cemetery.

The area of direct effects extends from Arlington National Cemetery in the west, across the Memorial Avenue Corridor to the Lincoln Memorial, and then along the length of the National Mall to the United States Capitol. In addition to those axial landscapes, it also includes adjacent and cultural landscapes including, generally from west to east: Arlington House, the Robert E. Lee Memorial, the entirety of the Memorial Avenue Corridor, Lady Bird Johnson Park, portions of Mount Vernon Memorial Highway, portions of the George Washington Memorial Parkway, the southern entrance of Rock Creek and Potomac Parkway, the Washington Monument and grounds, and the United States Capitol and grounds.

Beyond the area of direct effects, the APE extends farther to include places that are not expected to be directly affected by the undertaking but are potentially subject to indirect effects (the area of indirect effects). The outer bounds of the APE encompass Joint Base Myer–Henderson Hall to the west and from there, the boundary extends to the east to surround Arlington National Cemetery and Arlington Ridge Park. The boundary turns north before it reaches the bank of the Potomac River and parallels the riverbank upriver to a point north of Rosslyn. The boundary then crosses the river and encompasses the Georgetown Waterfront, continuing to the east to include the southern entrance of the Rock Creek and Potomac Parkway and the Lincoln Memorial and grounds. From the Lincoln Memorial, the boundary generally follows the northern side of the National Mall—with a jog northward to include the Old Post Office Tower—to the U.S. Capitol and Grounds, which mark the eastern end of the APE. From this eastern terminus, the APE boundary generally follows the southern side of the National Mall, extending in a line to the west until 15th Street SW, where it turns to the south to include the bridges from the waterfront to Hains Point. The boundary then extends southwest across the Potomac to a point north of Ronald Reagan Washington National Airport and there turns westward to encompass the Pentagon and curve north to surround Arlington National Cemetery, up to Joint Base Myer–Henderson Hall.

Appendix C contains the maps showing the APE and the historic properties within the APE.

4 Historic Properties within the Area of Potential Effects

The APE contains numerous overlapping historic properties; many resources contribute to multiple properties and districts. Historic properties include cultural landscapes, architectural resources, and archeological resources.

The historic properties within the portion of the APE designated as the area of direct effects are those that have the highest potential to be most significantly affected by the proposed undertaking. They consist of the main axial and compositional resources whose significance is fundamentally tied to the Memorial Avenue Corridor and the ceremonial landscape relationship between Arlington National Cemetery, the Lincoln Memorial, and rest of the monumental core of Washington, D.C. These resources collectively form an intentionally designed monumental landscape developed primarily during implementation of the McMillan Plan and associated early twentieth-century City Beautiful planning efforts. The significance of these properties derives

not only from their individual architectural or commemorative importance, but also from their spatial, visual, symbolic, and ceremonial interrelationships. Contributing characteristics shared among these resources include axial alignment, reciprocal views, coordinated transportation systems, monumental scale, formal landscape organization, and carefully framed transitions between the civic landscapes of Washington and the commemorative landscapes of Arlington National Cemetery. The proposed undertaking would occur directly within this designed ceremonial framework at Memorial Circle, along the primary axes that serve as the principal organizing features of the cultural landscape layout.

Additional resources that may be affected are those from which this proposed undertaking would be visible. The potential effects relate to possible changes to setting, viewsheds, and the broader spatial organization of the Potomac basin landscape. In particular, the Arch would introduce a new vertical feature into a landscape system historically characterized by carefully managed horizontal monumental compositions, open river-oriented views, and coordinated scenic parkway experiences. As a result, these resources should be evaluated for indirect effects related to visual prominence, altered landscape relationships, and changes to the historic character of the monumental river corridor.

4.1 Preliminary Identification of Historic Properties

Table 1 in Appendix D details the historic properties within the area of direct effects and Table 2 in Appendix D details the historic properties within the area of indirect effects. These tables include a listing of historic districts, cultural landscapes, and archeological sites within the APE, as well as contributing features and elements within them. These tables also detail the designation of the properties.

4.2 Archeological Resources

The NPS performed a Phase IA archeological assessment for Memorial Circle and the construction laydown area of the proposed undertaking (Appendix E). The assessment report concludes that these areas have moderate to high archeological sensitivity for intact precolonial and historic archeological resources beneath the existing twentieth-century fill. The assessment found that Memorial Circle and the anticipated laydown area are situated on an artificial landform created through dredge and fill deposition between approximately 1915 and 1927, with roughly 10 to 14 feet of fill overlying an earlier buried landscape of sandy clay, alluvial deposits, sandbars, shallow tidal flats, and floodplain settings associated with the Potomac River. The report explains that similar buried landscapes elsewhere in Washington, D.C. have yielded important archeological information dating from the precolonial period through the colonial era, and it concludes that the buried former land surface beneath the fill may retain intact archeological deposits.

Background research documented a substantial archeological context in the surrounding area. Within 1 mile on the Virginia side of the Potomac River, the archeological assessment identified 13 archeological resources, including the Arlington House Site (44AR0017), two NRHP-eligible sites, and several additional unevaluated or previously determined ineligible sites. The report also notes that the APE lies within the War of 1812 study area and near the core area associated with that conflict. Based on documentary research, environmental reconstruction, pedestrian reconnaissance, and review of preliminary geotechnical borings, the assessment concludes that the area around Memorial Circle would have offered attractive resources during the precolonial and early colonial periods and that the Arlington House waterfront was an important component of the nineteenth-century landscape. These factors support the conclusion that intact archeological deposits may be present beneath the fill despite the creation of the modern island landscape.

The archeological assessment was predictive in nature and did not include subsurface archeological excavation. It also notes an important limitation: at the time the assessment report was prepared, archeological and historic architectural site file information requested from the DC HPO had not yet been provided and was expected to be incorporated later. Accordingly, the report recommends additional archeological investigation if the proposed undertaking would disturb soils more than 10 feet below existing ground surface. Specifically, the report states that a Phase IB subsurface archeological investigation, including geoarcheological analysis, could be performed as necessary. In addition, an archeological assessment of the utility corridors under consideration is needed to identify the presence or absence of archeological resources in those locations. At this time, only one archeological site has been identified within a potential utility corridor—44AX0028 (Alexandria Canal)—but other known or unknown resources may exist.

5 Identification of Effects

Effects assessments are based on the criteria of adverse effect as defined in the ACHP regulations (36 CFR § 800.5), which are as follows:

An adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association. Consideration shall be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property's eligibility for the National Register. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance, or be cumulative (36 CFR § 800.5(a)(1)).

Examples of adverse effects can include physical destruction or damage to all or part of a property; alterations, including restoration, rehabilitation, and repair that are inconsistent with the Secretary's Standards for the Treatment of Historic Properties and applicable guidelines; and

change of the character of the property's use or of physical features within the property's setting that contribute to its significance (36 CFR § 800.5(a)(2)).

To assess project effects, the NPS reviewed existing documentation on the history and significance of each property. With an understanding of each property's significance, characteristics, and integrity, the proposed alternatives were analyzed, and the criteria of adverse effects were applied. A finding of "no effect," "no adverse effect," or "adverse effect" is recommended for each historic property:

- No Effect: A finding of "no effect" signifies that the project would not affect the characteristics of the property that qualify it for NRHP listing.
- No Adverse Effect: A finding of "no adverse effect" per 36 CFR § 800.5(b) signifies that effect(s) would not alter a characteristic of a property that qualifies it for inclusion in the NRHP in a manner that would diminish the integrity of the property; it does not meet the criteria for adverse effect.
- Adverse Effect: A finding of "adverse effect" per 36 CFR § 800.5(a)(1) signifies that an effect(s) would alter a characteristic of a property that qualifies it for inclusion in the NRHP in a manner that would diminish the integrity of the property, according to the criteria for adverse effect.

Table 3 in Appendix D contains an assessment of effects of the proposed undertaking on NRHP-eligible or listed historic properties and is based upon the criteria of significance. Consistency with Section 110(f) is addressed in Table 3. A brief summary of the preliminary assessment of effects is provided below in Section 5.1.

5.1 Preliminary Assessment of Effect of Proposed Undertaking

The NPS has determined that the proposed construction of the Triumphal Arch at Memorial Circle would result in effects on historic properties meeting the criteria found in 36 CFR § 800.5(a)(1) within the Area of Potential Effects because it would alter, directly and indirectly, characteristics of those properties that qualify them for inclusion in the National Register of Historic Places. As reflected in the table, the undertaking would have effects meeting the criteria of 36 CFR § 800.5(a)(1) that change integrity of setting, design, feeling, association, and, in some instances, location by introducing visual, spatial, and physical changes that affect character-defining views, reciprocal vistas, circulation patterns, and designed landscape relationships.

The most substantial effects meeting the criteria of 36 CFR § 800.5(a)(1) would occur to the Memorial Avenue Corridor Cultural Landscape, Arlington Memorial Bridge, Lady Bird Johnson Park Cultural Landscape, Arlington National Cemetery Historic District, Arlington House Historic District, Arlington House (Robert E. Lee Memorial), Arlington House Cultural Landscape, Lincoln Memorial Cultural Landscape, the Lincoln Memorial, National Mall Site, National Mall Historic District, and The Mall Cultural Landscape, all of which derive

significance in part from their planned visual, commemorative, and spatial relationships across the Potomac River and through the monumental core.

Additional effects meeting the criteria of 36 CFR § 800.5(a)(1) would occur to the Washington Monument Structure, Washington Monument and Grounds Historic District, Washington Monument and Grounds Cultural Landscape, Rock Creek and Potomac Parkway Historic District, East and West Potomac Park Historic District, Arlington Ridge Park, Fort Myer Historic District and Quarters 1, George Mason Memorial, Thomas Jefferson Memorial Cultural Landscape, and potentially the Pentagon, where the undertaking would alter contributing views, settings, or designed relationships. In contrast, the table indicates that numerous other historic properties would not be adversely affected due to distance, topography, vegetation, orientation, or intervening development.

Accordingly, the undertaking meets the criteria of 36 CFR § 800.5(a)(1) because it would result in impacts to the integrity of historic properties through the alteration of character-defining visual and spatial relationships that contribute to their significance.

With regard to archeological resources, additional investigation may be needed to fully determine the effects of the undertaking. A subsurface investigation of Memorial Circle may be necessary to determine the presence or absence of deeply buried resources, and a survey of the potential utility corridor locations may be needed to identify resources within those areas. The results of these investigations, if necessary, will be used to determine whether the APE contains archeological resources that are eligible, or may be eligible, for listing in the NRHP, and whether the proposed undertaking will have adverse effects on these resources. A programmatic agreement will be developed for this project to define the continued consultation process for the identification and evaluation of resources, and the resolution of any adverse effects on NRHP-eligible archeological resources.

6 Avoidance, Minimization, and Mitigation Measures

During and prior to the design process, various smaller Arch heights were evaluated to avoid, minimize, or mitigate impacts on historic resources. The smaller Arch heights were ultimately dismissed because they would have had greater impacts on the cultural landscapes, specifically the views between the Lincoln Memorial and Arlington National Cemetery. The smaller designs fully obstructed this view, instead of framing it, and did not create any new viewing opportunities – by contrast to the proposed Arch, which would allow a less obstructed view through its central opening and provide new viewing opportunities. In addition, because the Arch is intended to celebrate 250 years of American independence, the smaller heights were not considered representative of this milestone, unlike the 250-foot Arch proposed in the undertaking.

To further avoid, minimize, and mitigate adverse effects on historic properties, several steps could be undertaken during the implementation of the project.

Once a consensus determination of adverse effect for the project has been reached, these steps would be agreed upon and negotiated during the development of a programmatic agreement (PA) with certain consulting parties.

Potential avoidance, minimization, and mitigation measures for the project's adverse effects under consideration in the draft PA include:

1. Viewshed and visual minimization: The NPS will continue to refine the design of the undertaking to minimize visual intrusion on historic properties within the APE.
2. Construction Management Control: The NPS will minimize temporary construction effects to historic properties from noise and vibration and visual effects using a variety of construction management techniques. Visual effects, noise, and vibration will be minimized to the extent practicable by providing appropriate screening between construction staging areas and cultural resources, limiting the size of construction staging areas, and/or locating them away from sensitive views and viewsheds.
3. Archeological Investigation: The NPS will continue identification and evaluation of archeological historic properties in accordance with 36 CFR § § 800.4 - 800.5 and following the findings and recommendations of the Phase IA Archaeological Assessment Report.
    a. Preconstruction Phase 1B Geoarcheological Investigations
    b. Archeological Monitoring and Documentation
4. Other measures related to documentation, interpretation, or other elements, to be determined in conjunction with the consulting parties as part of developing and finalizing the PA.

Literature Cited

Frisbie, Meg, Molly Lester, Chen Mao, Ruth Penberthy, Haoyi Shang, Zhijie Wang, and Ryan Drake. 2024. *Memorial Avenue Corridor, George Washington Memorial Parkway, Cultural Landscape Report*. Philadelphia: University of Pennsylvania - Weitzman School of Design, Urban Heritage Project.

U.S. Congress, Senate Committee on the District of Columbia, and District of Columbia Park Commission. 1902. *The Improvement of the Park System of the District of Columbia*. Washington, D.C.: Government Printing Office.

APPENDIX A. PLANS, SECTIONS, AND RENDERINGS OF PROPOSED UNDERTAKING

TRIUMPHAL ARCH
WASHINGTON, DISTRICT OF COLUMBIA

DISCLAIMER: RENDERINGS ARE FOR ILLUSTRATION PURPOSES ONLY AND MAY NOT REFLECT THE FINAL DESIGN.

SITE LOCATION MAP

MEMORIAL CIRCLE
COLUMBIA ISLAND,
WASHINGTON, DISTRICT OF COLUMBIA

DRAWING INDEX

ARCHITECTURAL

A-1.00	COVER SHEET
A-2.00	GROUND LEVEL FLOOR PLAN
A-2.01	GROUND LEVEL MECHANICAL REFLECTED CEILING PLAN
A-2.10	LOWER MEZZANINE FLOOR PLAN
A-2.30	UPPER MEZZANINE FLOOR PLAN
A-2.40	OBSERVATION DECK LEVEL FLOOR PLAN
A-2.41	OBSERVATION DECK LEVEL REFLECTED CEILING PLAN
A-3.00	FRONT ELEVATION
A-3.10	SIDE ELEVATION
A-3.20	REAR ELEVATION
A-3.30	SIDE ELEVATION
A-4.00	BUILDING SECTION
A-4.10	BUILDING SECTIONS

CIVIL

CD101	DEMOLITION AND SITE PREPARATION PLAN
CG101	GRADING PLAN
CG102	DRAINAGE PLAN
CS101	SITE PLAN
CU101	UTILITY PLAN

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scale NTS
drawn JG, KA checked NC
project no. 266206
title COVER SHEET
sheet number A-1.00

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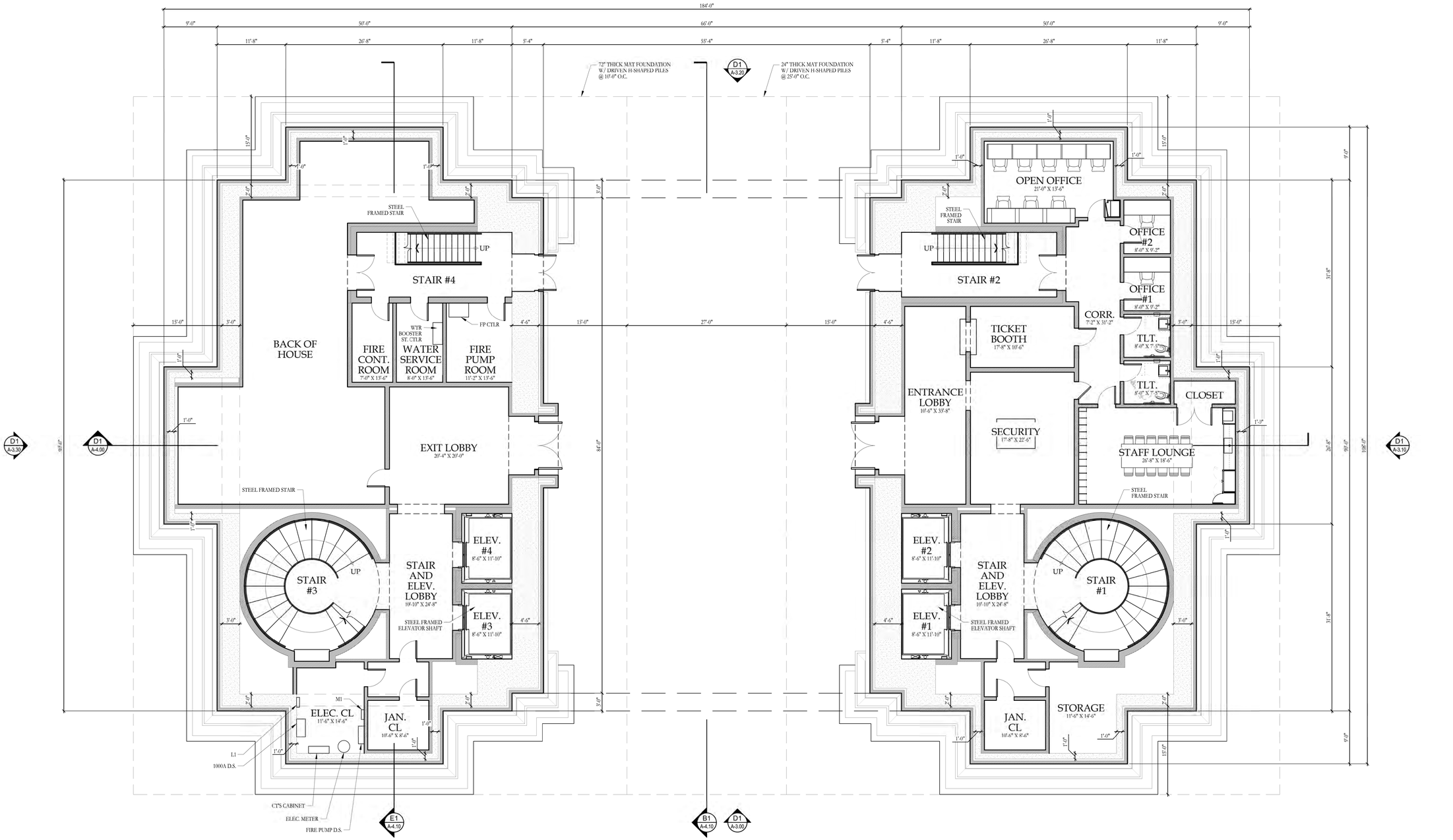

B1 A-2.00 GROUND LEVEL FLOOR PLAN

SCALE: 1/8" = 1'-0"

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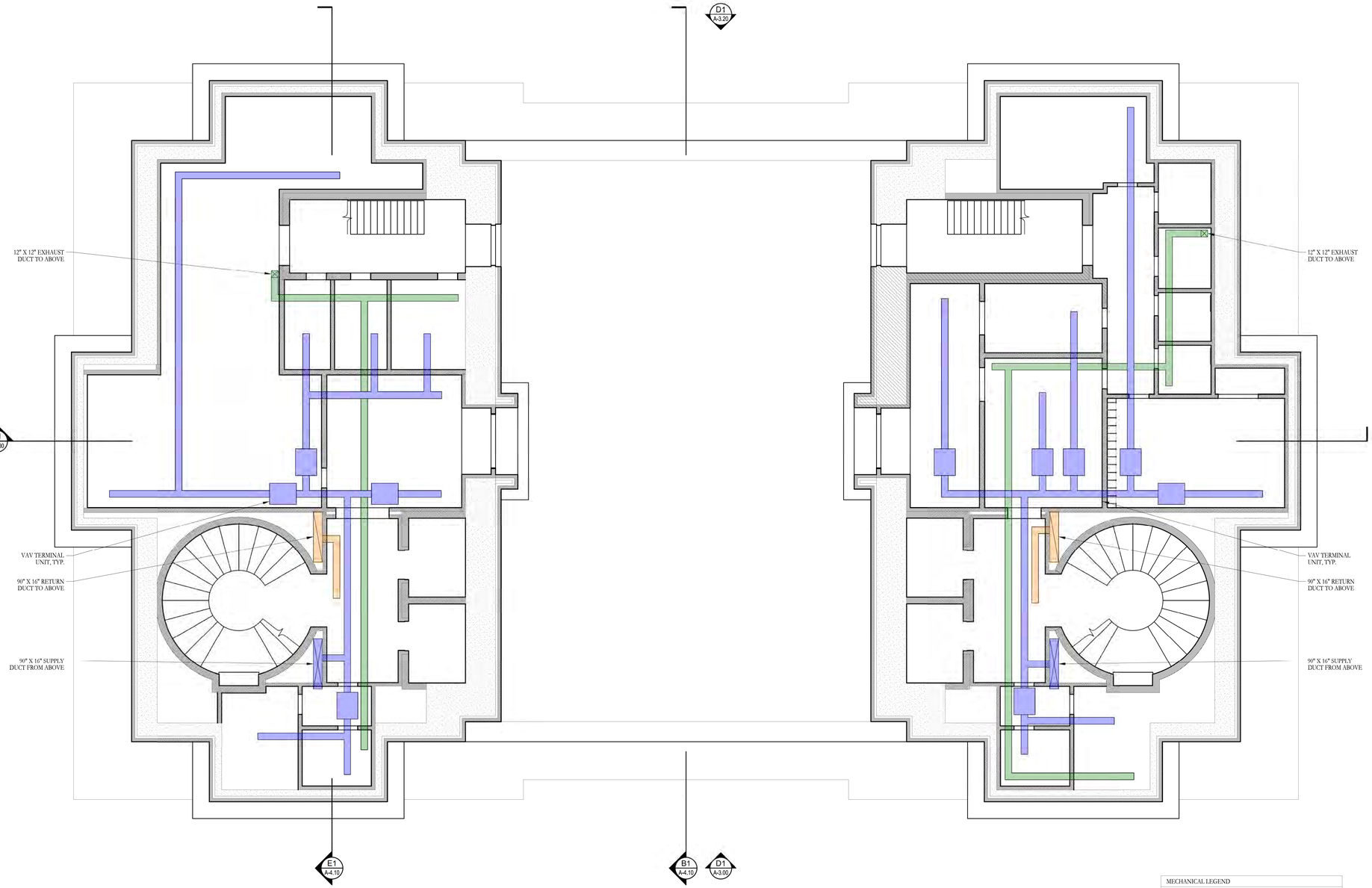

B1 / A-2.00 GROUND LEVEL REFLECTED CEILING PLAN
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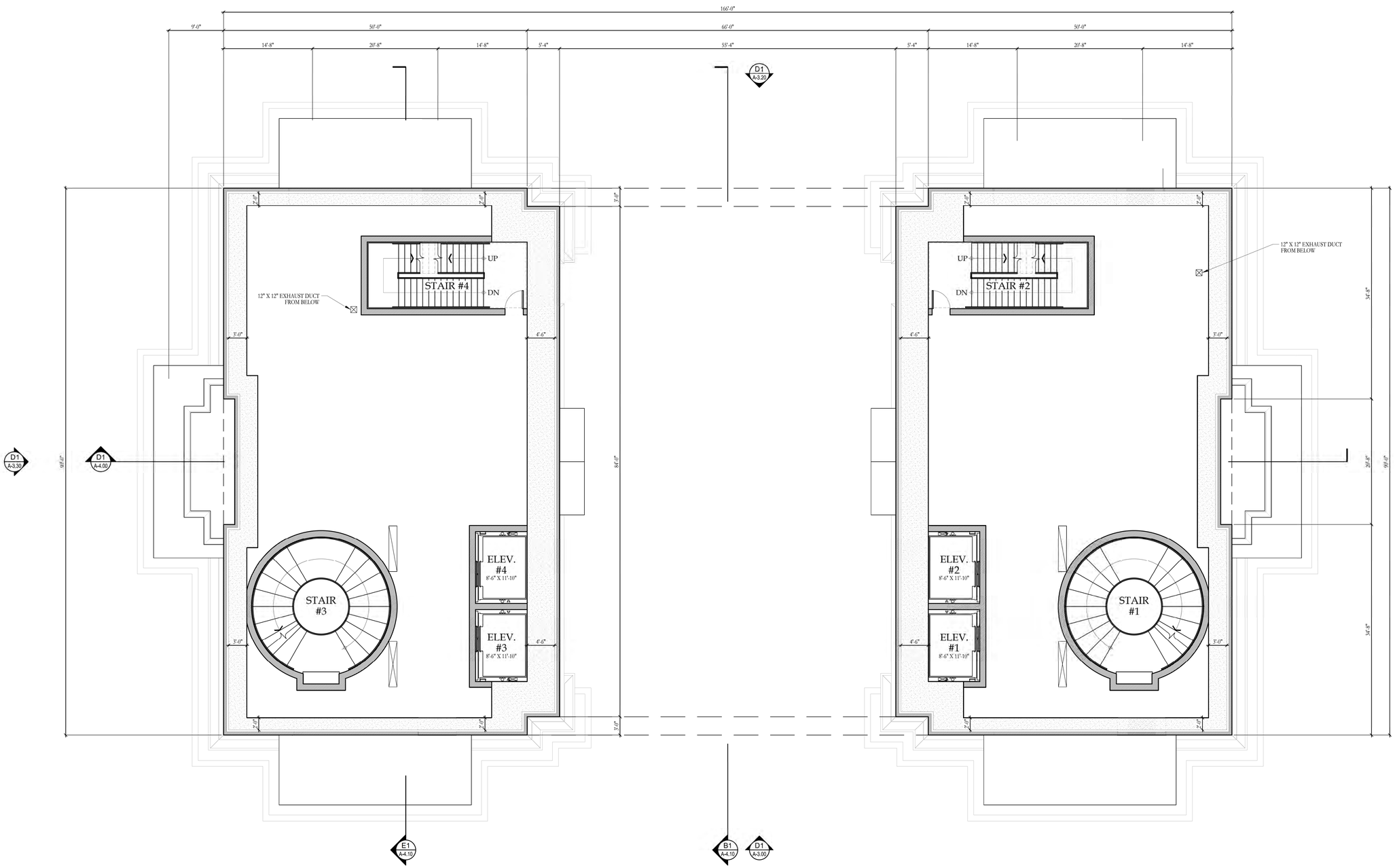

B1
A-2.10
LOWER MEZZANINE FLOOR PLAN
SCALE: 1/8" = 1'=0"

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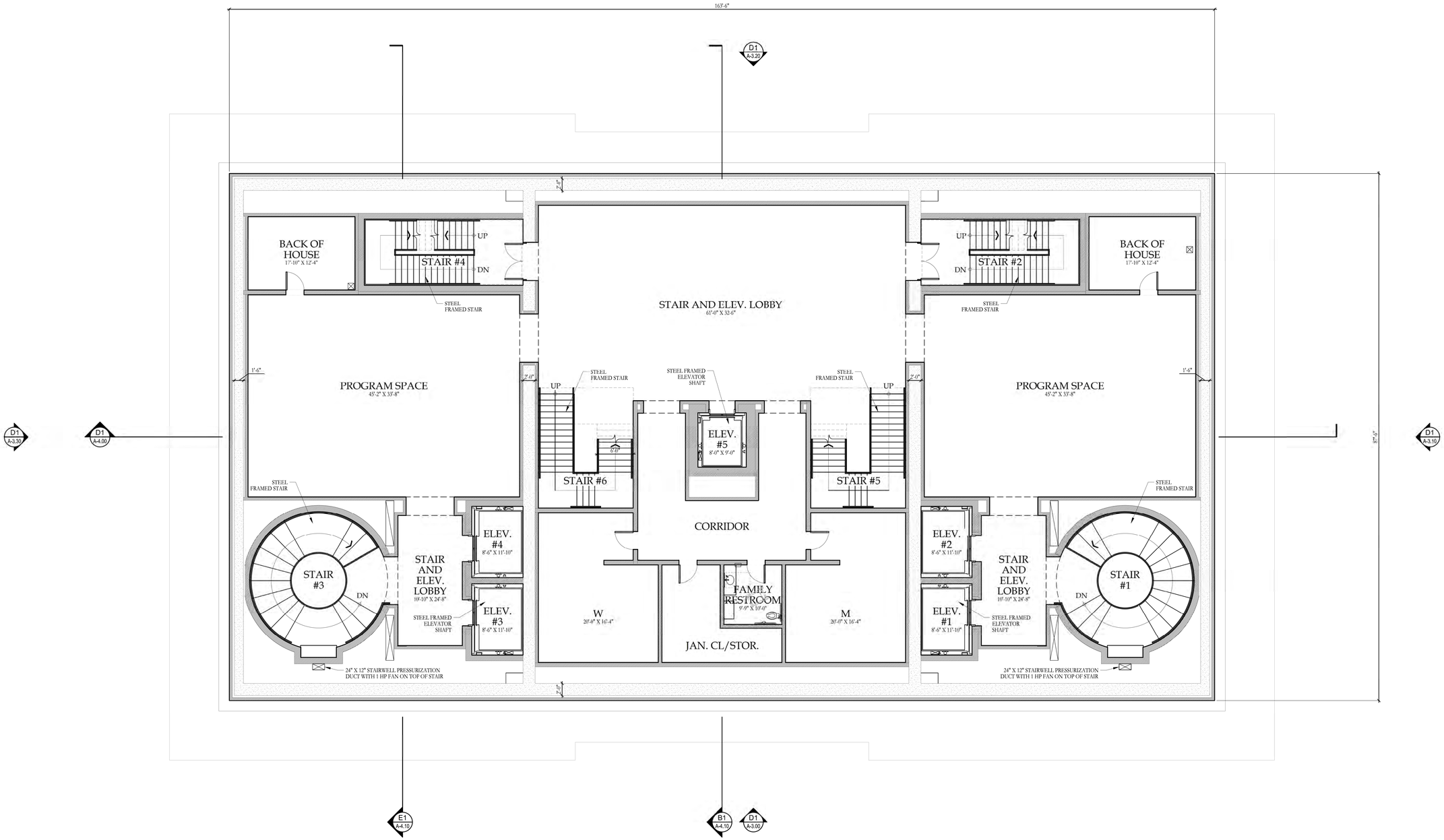

B1 / A-2.20 GALLERY LEVEL FLOOR PLAN
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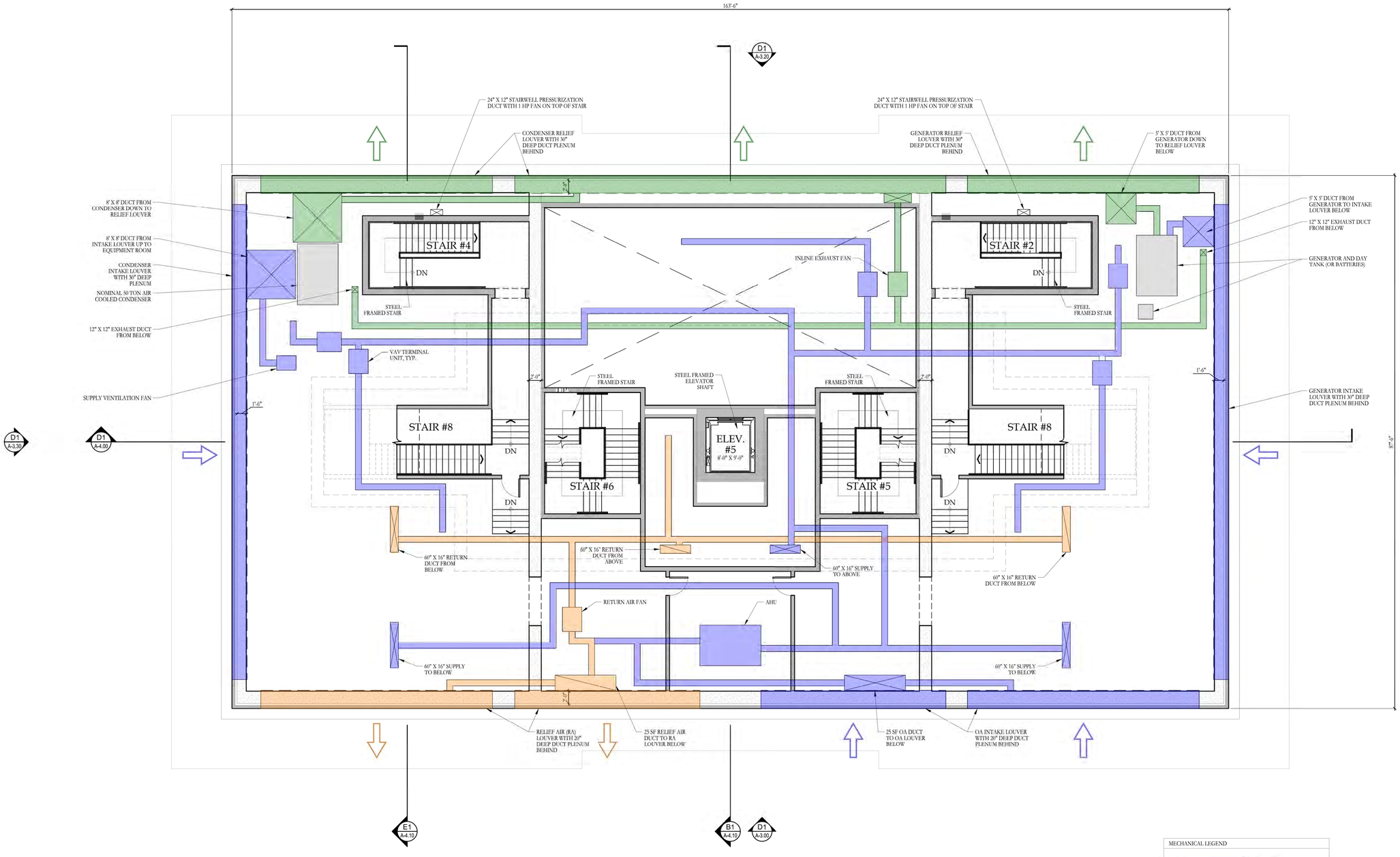

MECHANICAL LEGEND

- SUPPLY AIR
- RETURN / RELIEF AIR
- EXHAUST AIR
- DUCT RISER

B1 / A-2.30 UPPER MEZZANINE FLOOR PLAN

SCALE: 1/8" = 1'=0"

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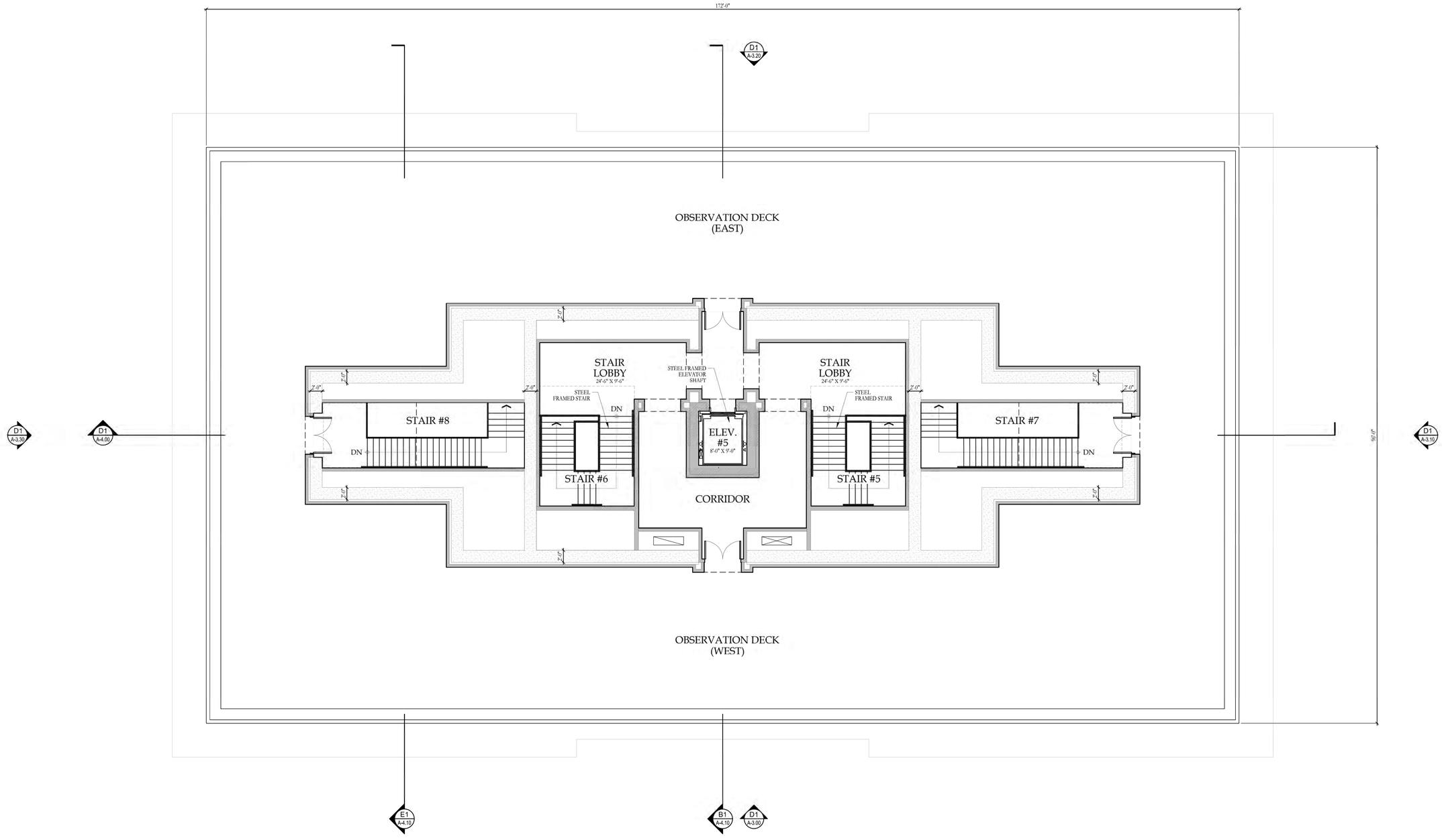

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OBSERVATION DECK LEVEL FLOOR PLAN
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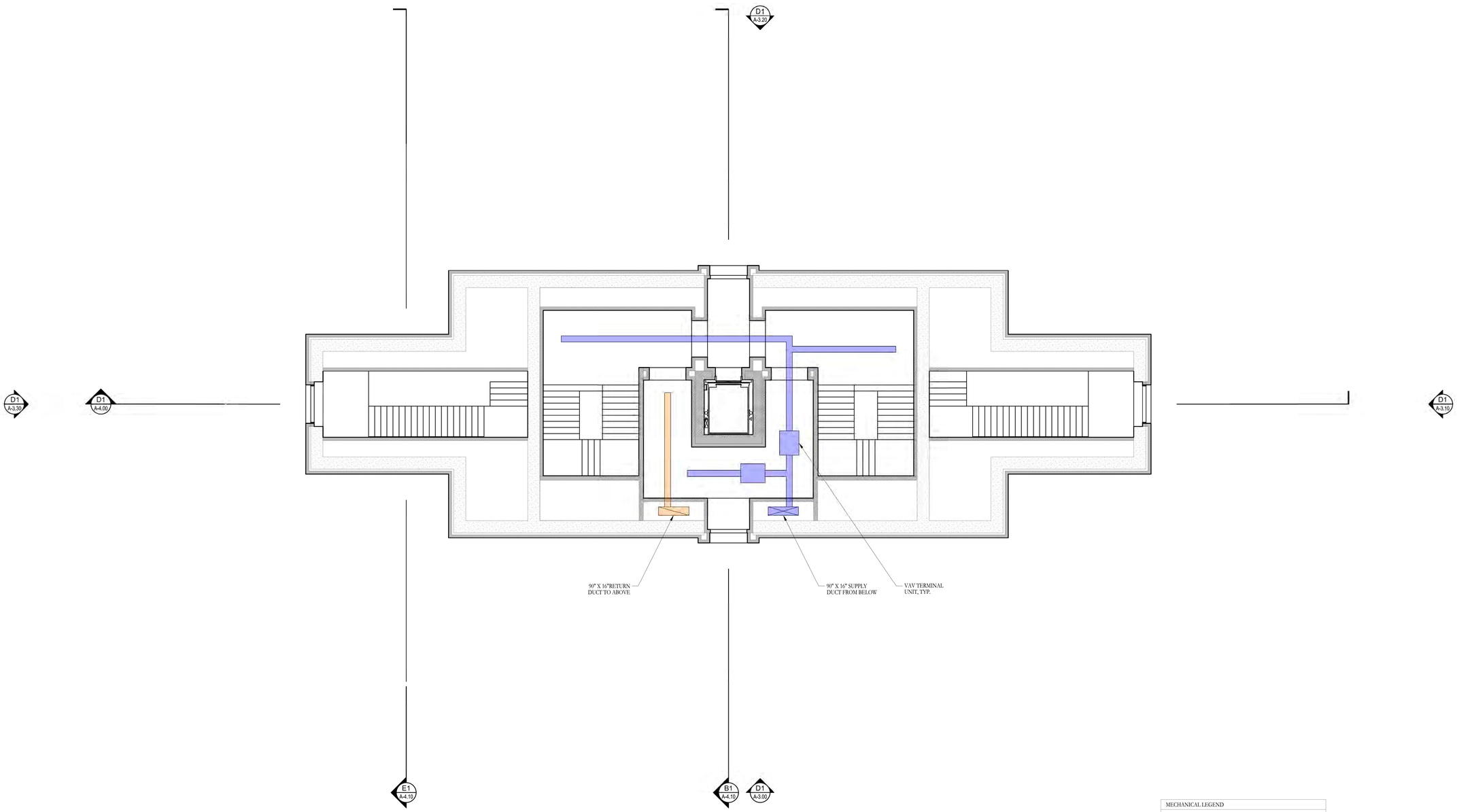

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- DUCT RISER

B1 / A-2.41 OBSERVATION DECK LEVEL REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"

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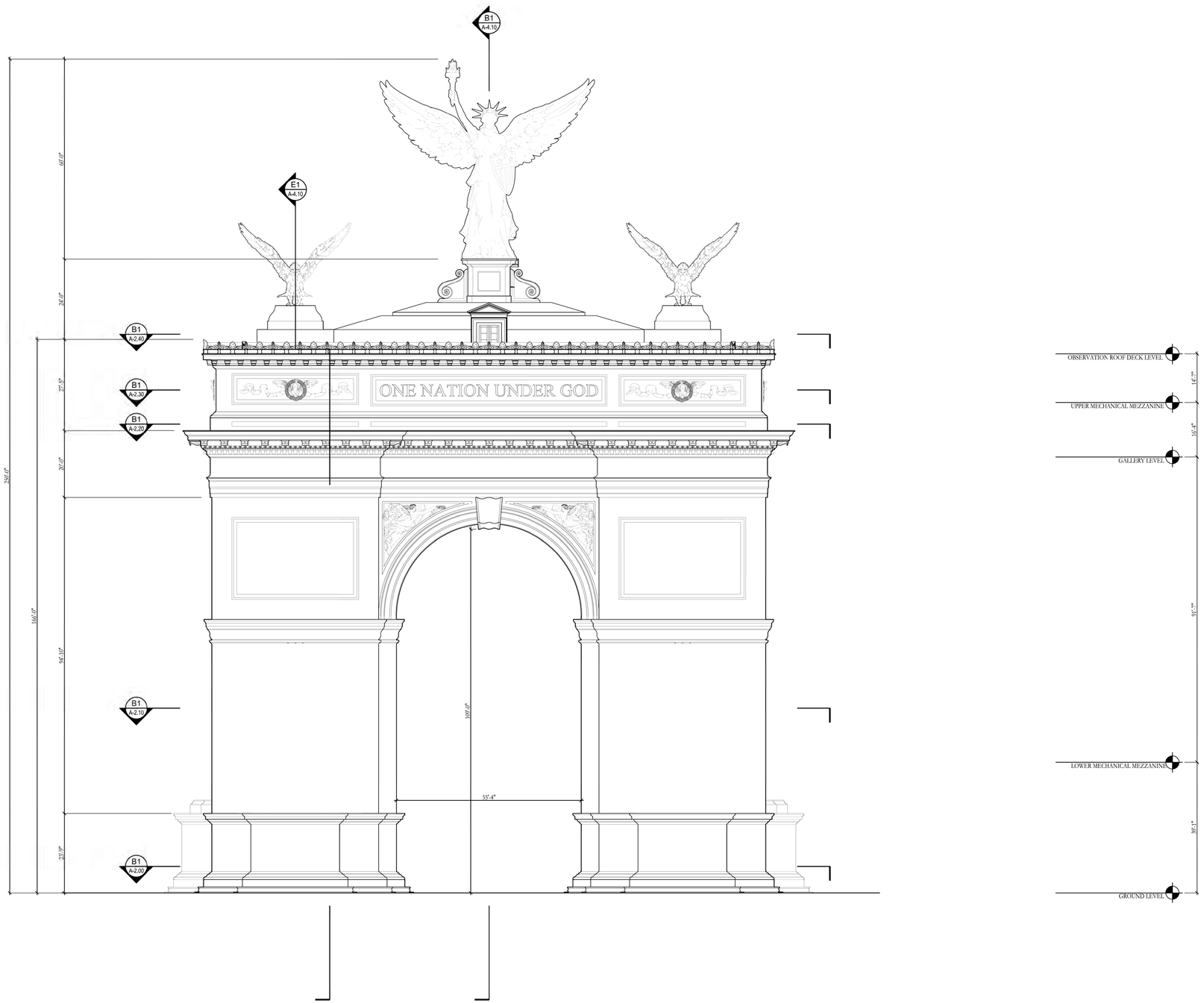

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TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

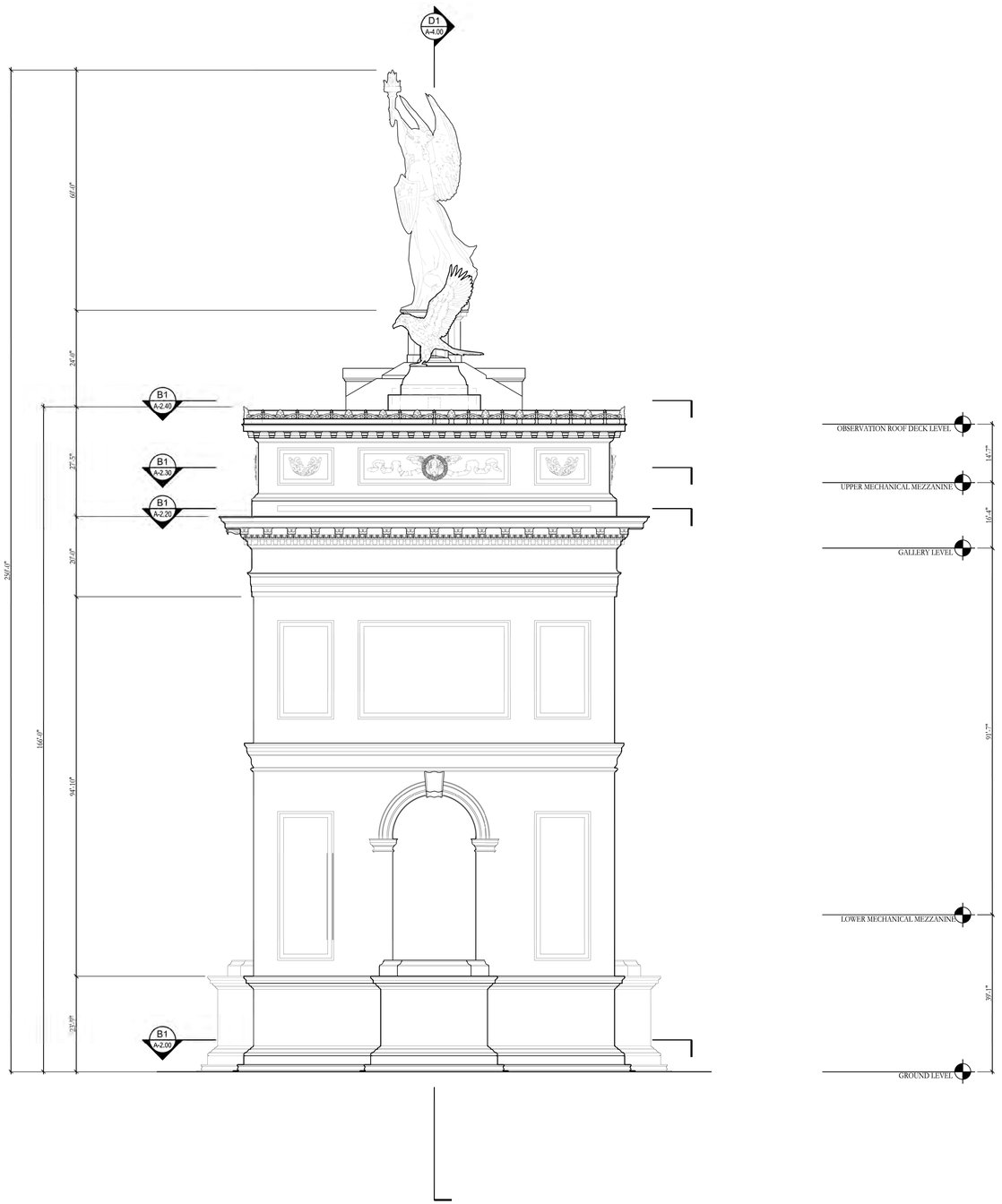
stamps

issue

date	05-25-2026
scale	1/16" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	FRONT ELEVATION
sheet number	A-3.00

RELEASED FOR CONSTRUCTION

V:\Projects\St Therese Catholic Church\266206 A300 - Elevations.dwg May 26, 2026 - 10:08am



D1 / A-3.10 SIDE ELEVATION

SCALE: 1/16" = 1'=0"

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TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date 05-25-2026

scale 1/16" = 1'-0"

drawn JG, KA checked NC

project no. 266206

title SIDE ELEVATION

sheet number A-3.10

V:\Projects\St Therese Catholic Church\266206 A3\0 - Elevations.dwg May 26, 2026 - 10:00am

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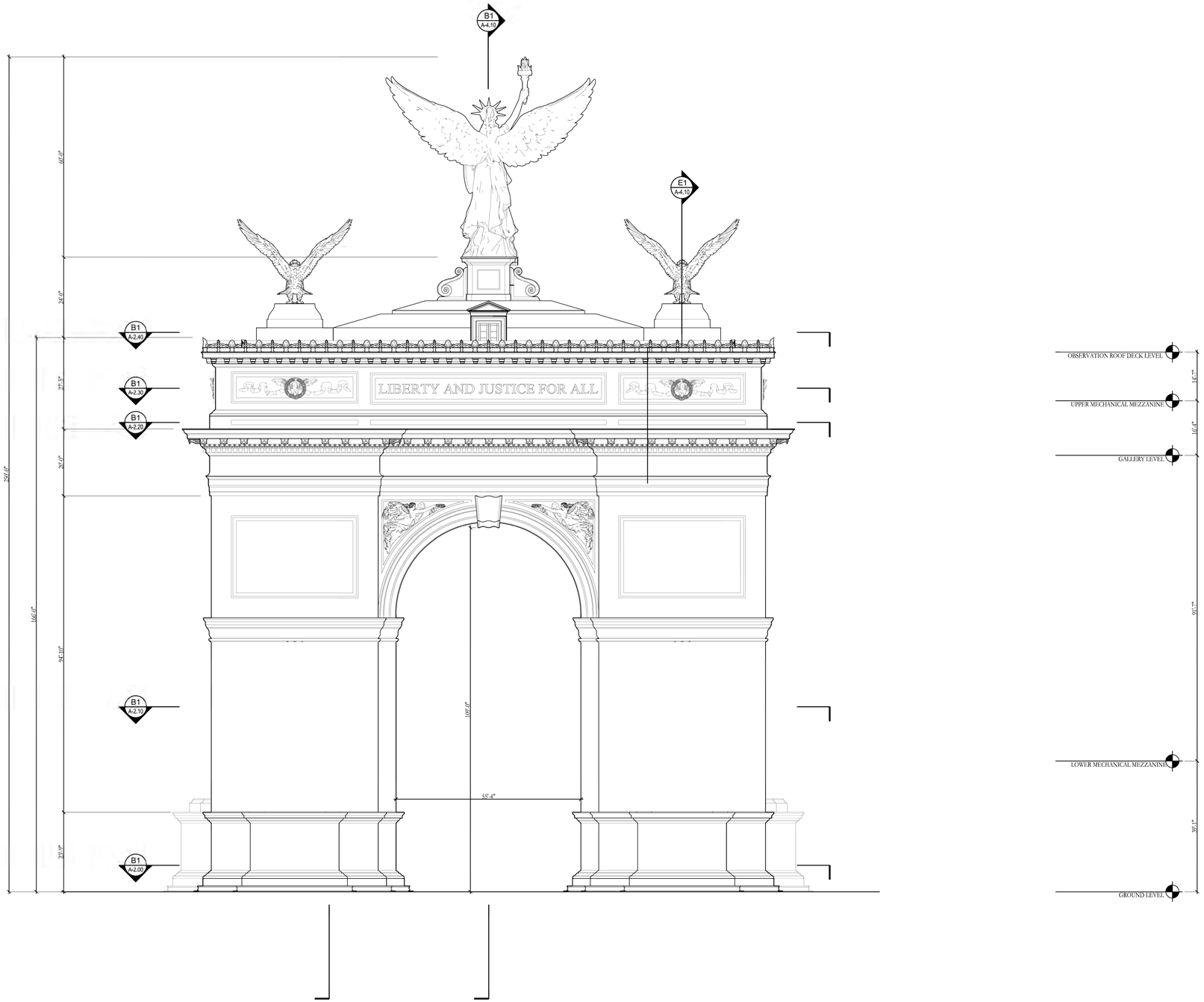

D1
A-3.20
REAR ELEVATION
SCALE: 1/16" = 1'=0"

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TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	05-25-2026
scale	1/16" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	REAR ELEVATION
sheet number	A-3.20

RELEASED FOR CONSTRUCTION

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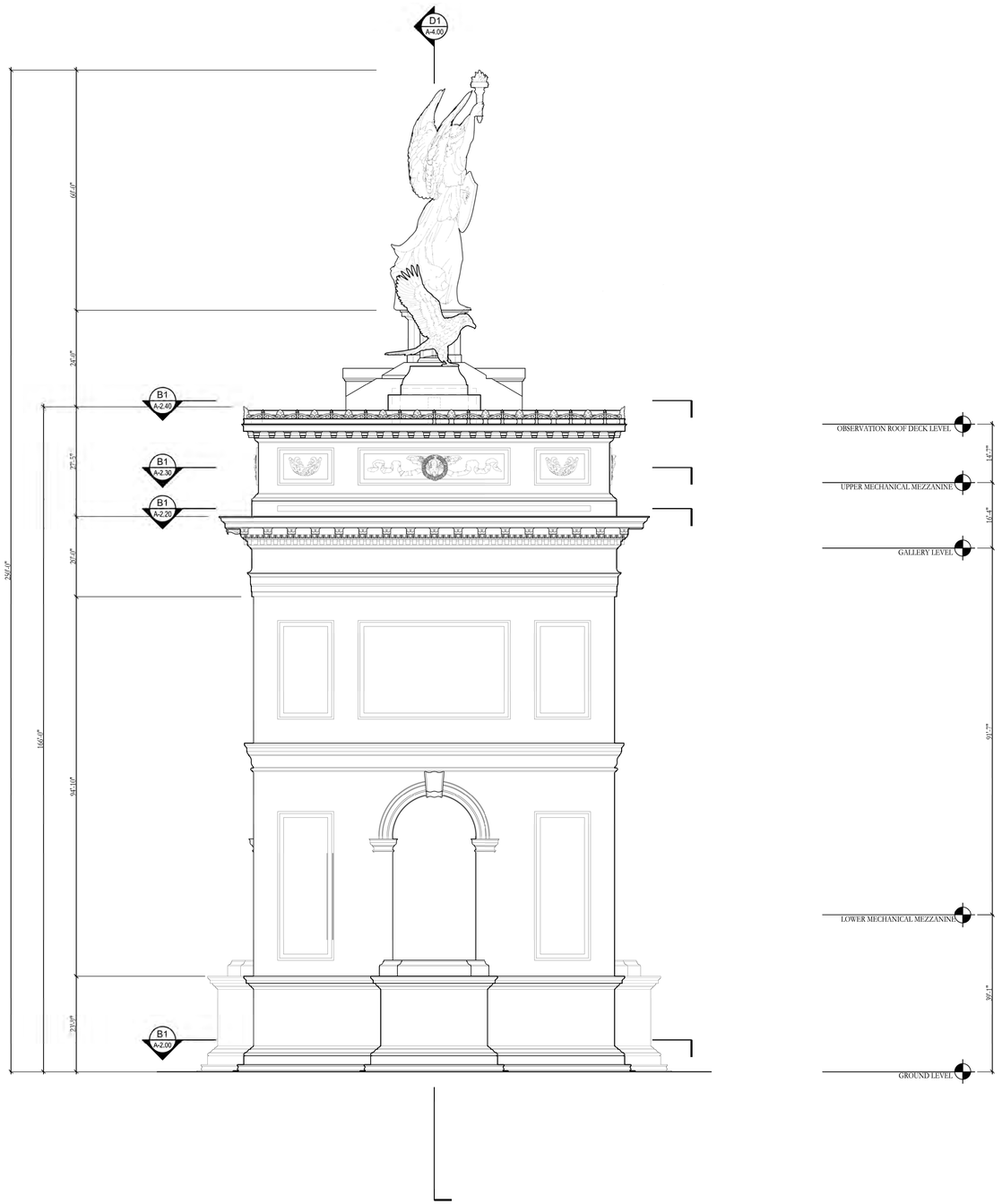

D1 / A-3.30 SIDE ELEVATION
SCALE: 1/16" = 1'=0"

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TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date 05-25-2026

scale 1/16" = 1'-0"

drawn JG, KA checked NC

project no. 266206

title SIDE ELEVATION

sheet number A-3.30

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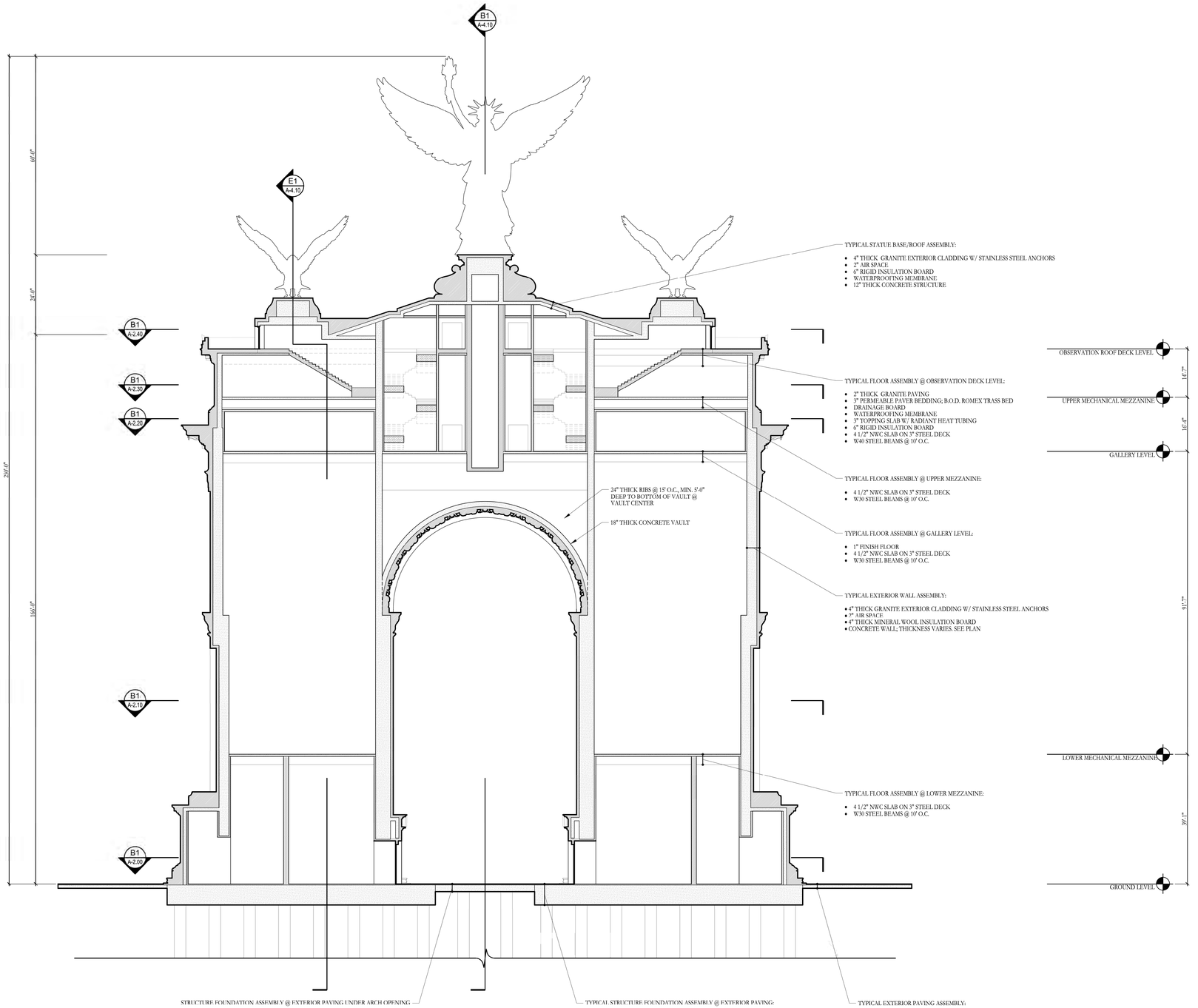

D1
A-4.00
BUILDING SECTION
SCALE: 1/16" = 1'=0"

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TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date 05-25-2026
scale 1/16" = 1'-0"
drawn JG, KA checked NC
project no. 266206
title BUILDING SECTION
sheet number A-4.00

RELEASED FOR CONSTRUCTION

May 26, 2026 - 10:13am
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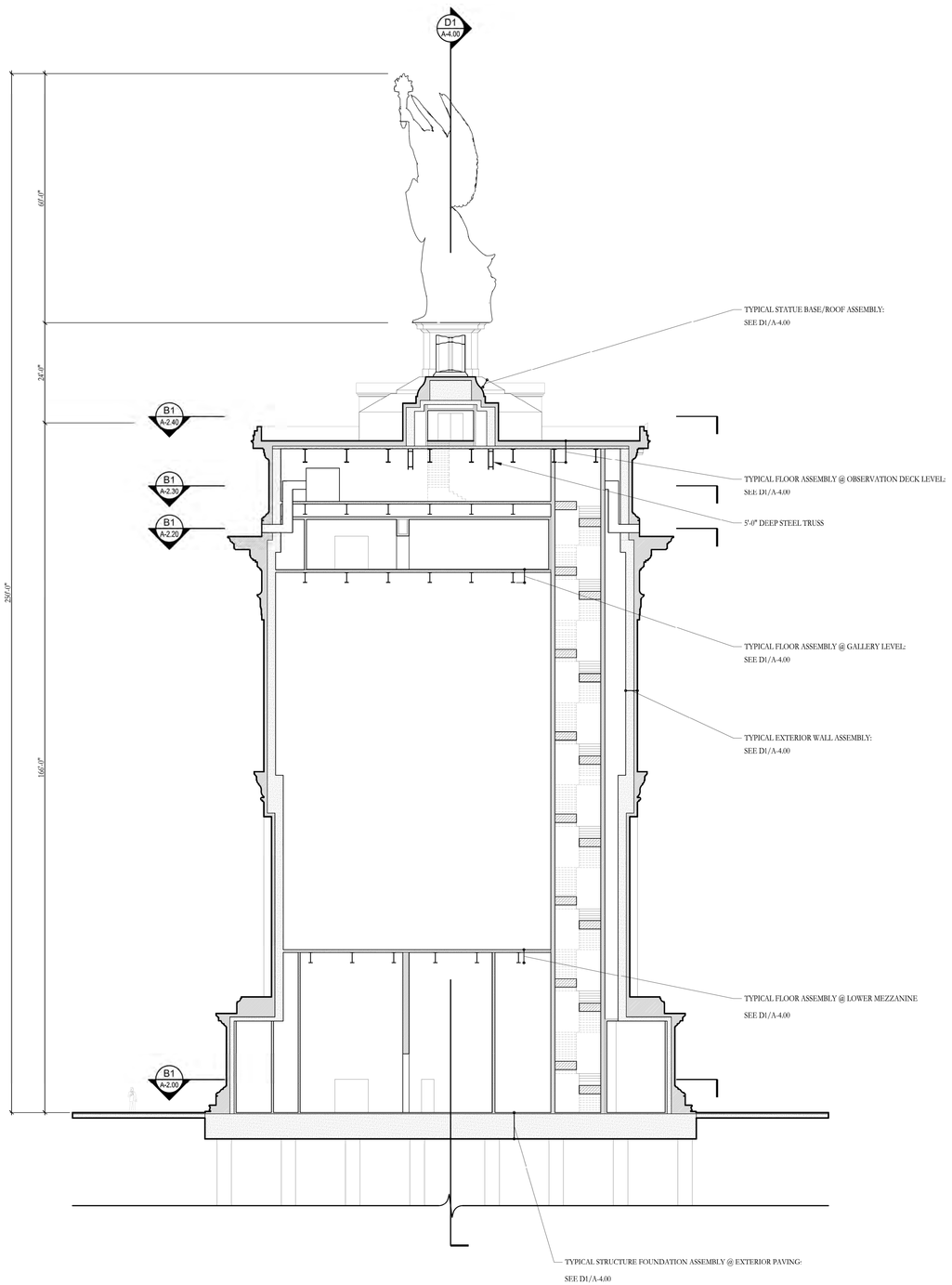

E1 / A-4.10 BUILDING SECTION
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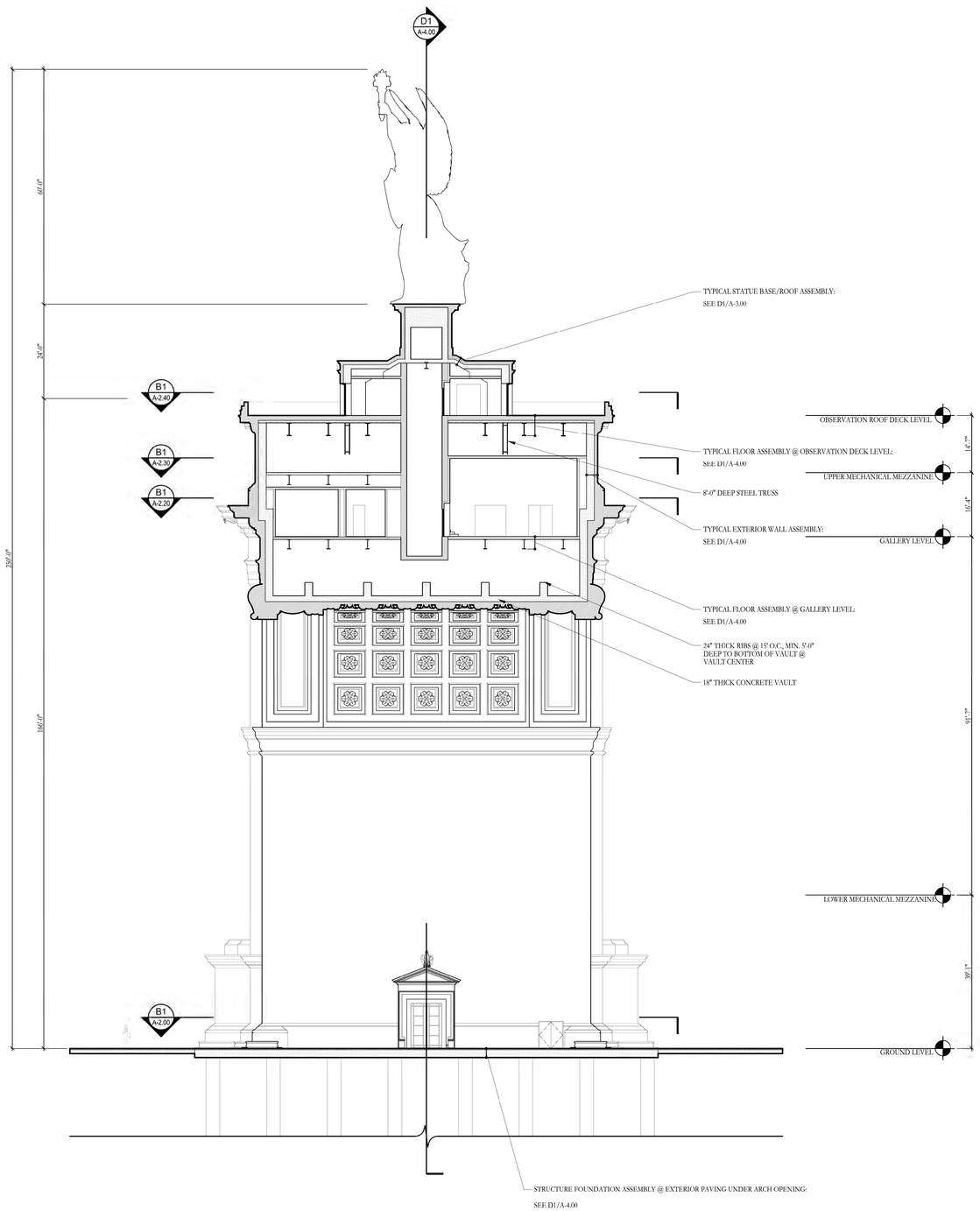

B1 / A-4.10 BUILDING SECTION
SCALE: 1/16" = 1'=0"

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RELEASED FOR CONSTRUCTION

TRIUMPHAL ARCH - WASHINGTON, DC

WASHINGTON, DC

stamps

issue

date	05-25-2026
scale	1/16" = 1'-0"
drawn	JG, KA
checked	NC
project no.	266206
title	BUILDING SECTIONS
sheet number	A-4.10

V:\Projects\St Therese Catholic Church\266206 A\03 - Sections.dwg May 25, 2026 - 10:15am

RELEASED FOR CONSTRUCTION

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

RENDERING

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

RENDERING

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM ARLINGTON HOUSE - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM ARLINGTON HOUSE - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM HEMICYCLE - BEFORE

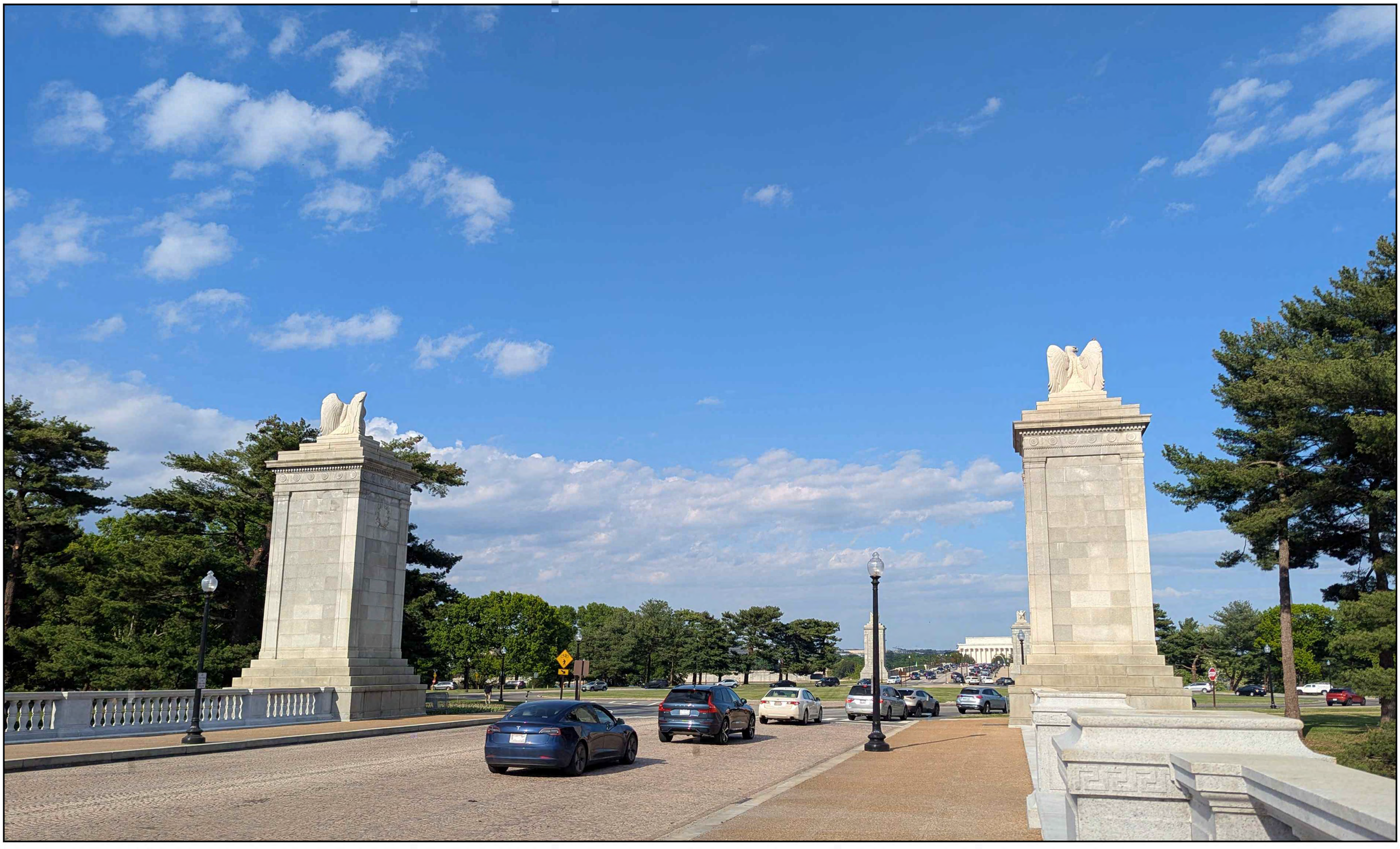
HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM HEMICYCLE - AFTER

HARRISON DESIGN

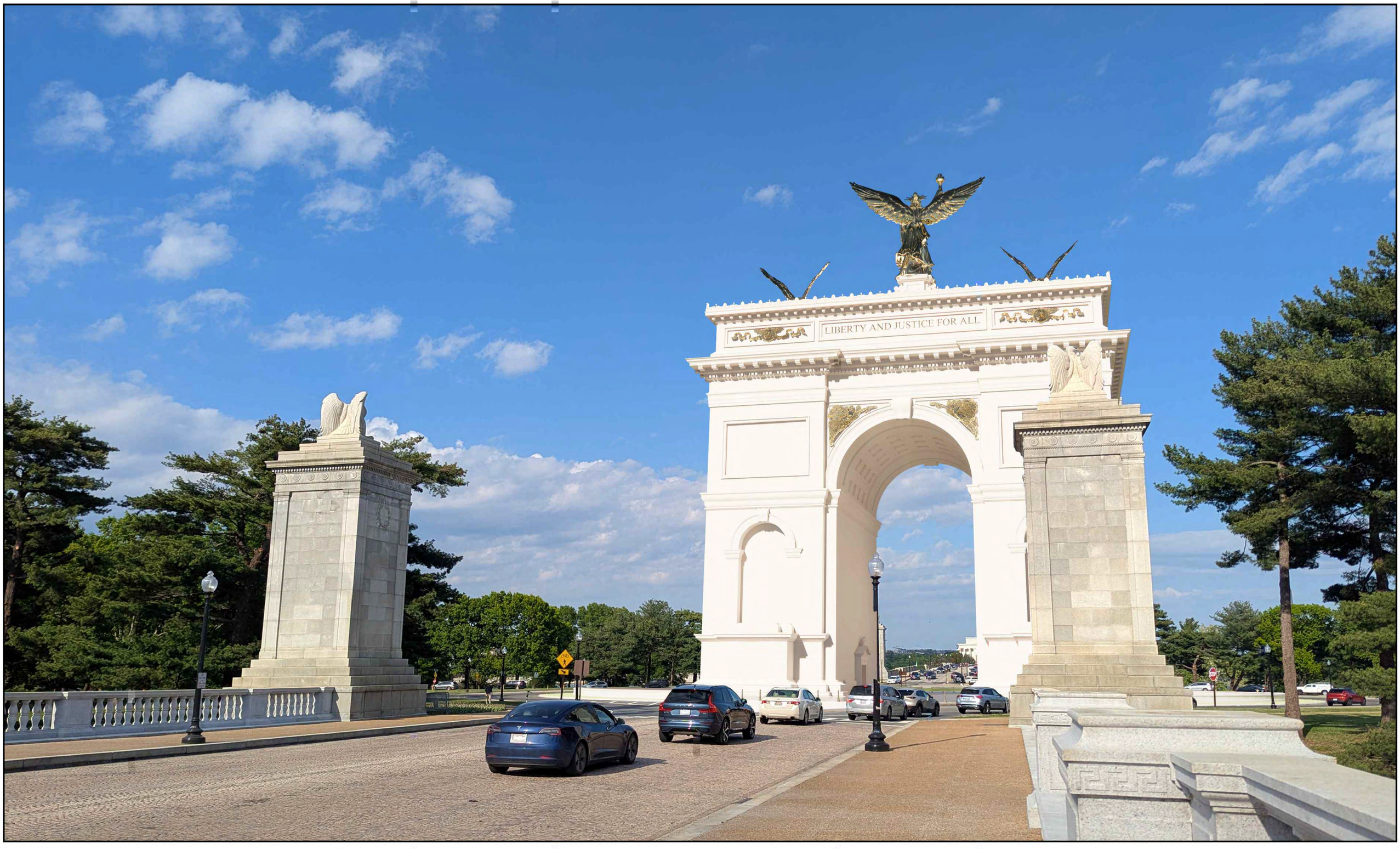


MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM ARLINGTON BRIDGE - BEFORE

HARRISON DESIGN

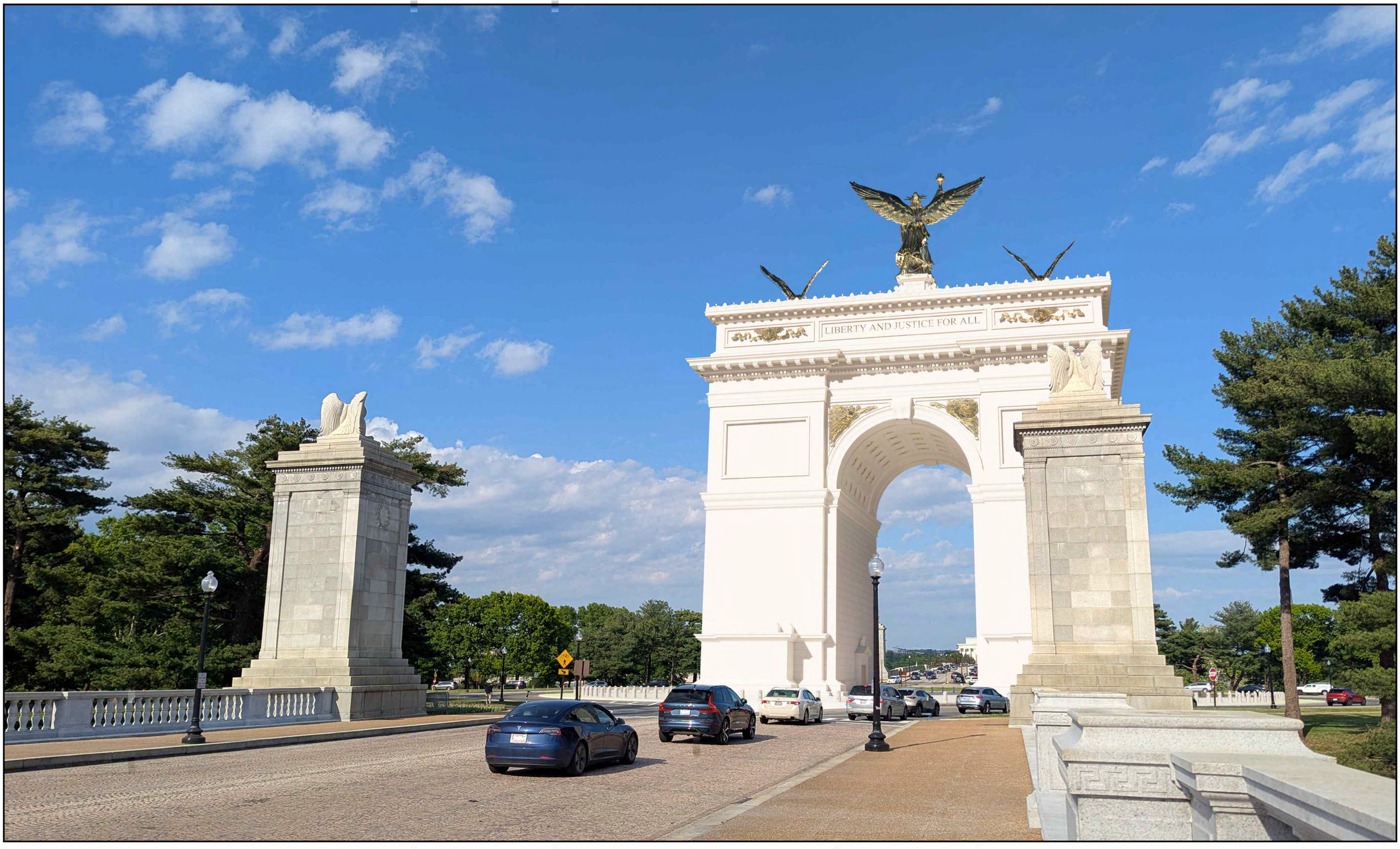


MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM ARLINGTON BRIDGE - AFTER

HARRISON DESIGN



MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM ARLINGTON BRIDGE - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM MEMORIAL BRIDGE - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM MEMORIAL BRIDGE - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM PARKWAY DR NW - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM PARKWAY DR NW - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM LINCOLN MEMORIAL CIRCLE - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM LINCOLN MEMORIAL CIRCLE - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM LINCOLN MEMORIAL - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM LINCOLN MEMORIAL - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM WASHINGTON MONUMENT - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM WASHINGTON MONUMENT - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM WASHINGTON MONUMENT - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM WASHINGTON MONUMENT - AFTER

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM CAPITOL HILL - BEFORE

HARRISON DESIGN

MAY 7, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM CAPITOL HILL - AFTER

HARRISON DESIGN

MAY 14, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM CAPITOL HILL - BEFORE

HARRISON DESIGN

MAY 14, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM CAPITOL HILL - AFTER

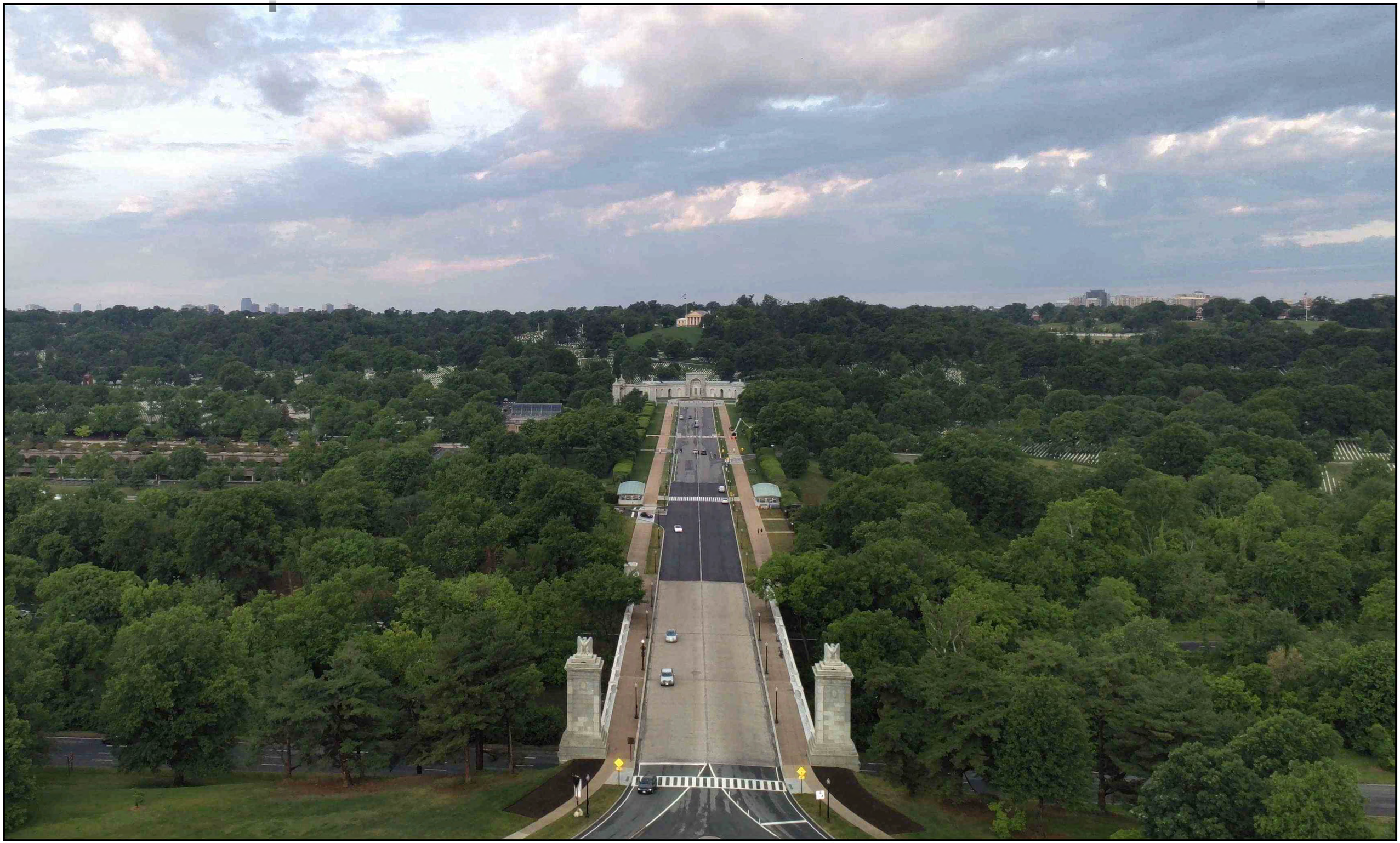
HARRISON DESIGN

MAY 14, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM OBSERVATION DECK TOWARD EAST

HARRISON DESIGN

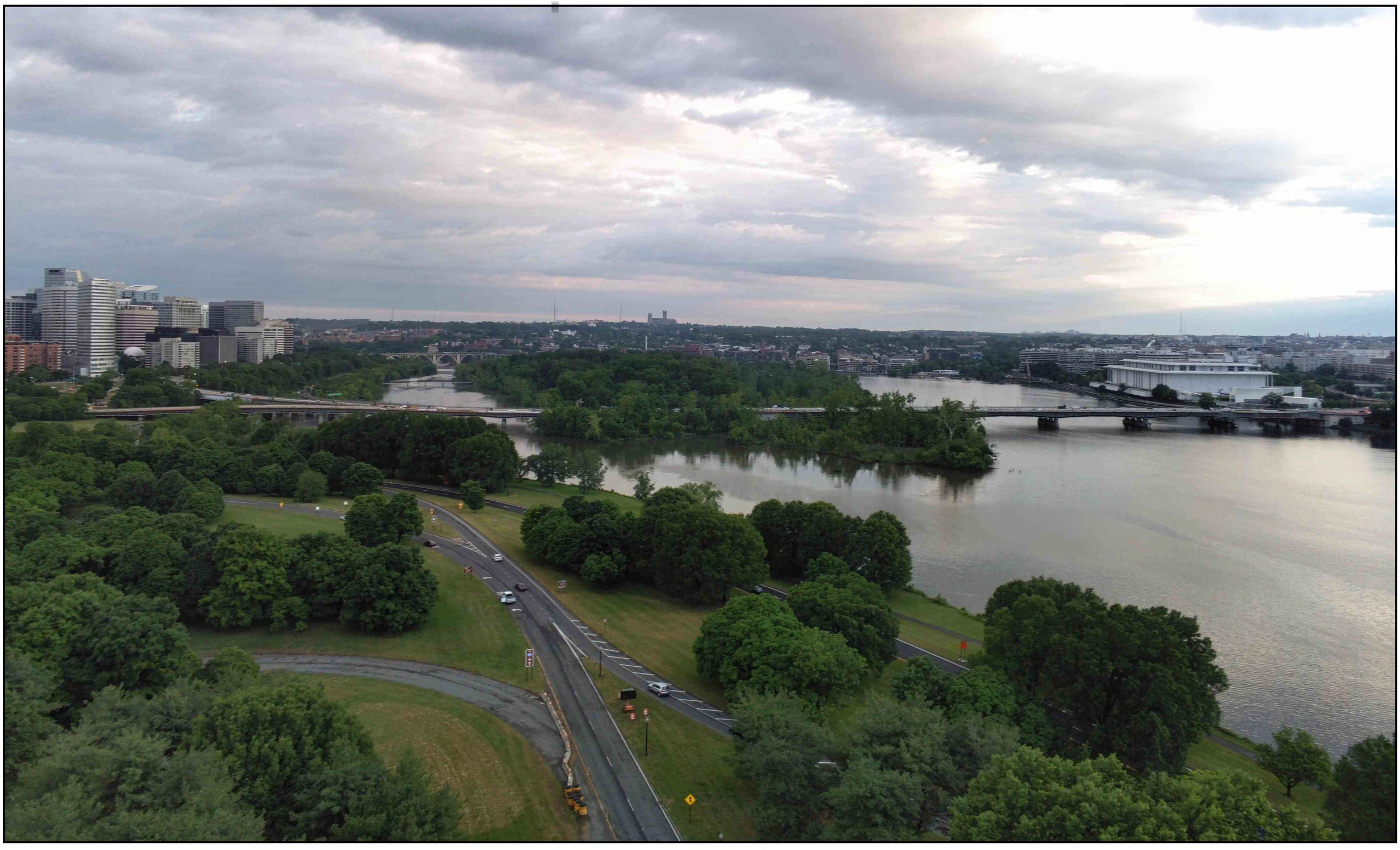


MAY 14, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM OBSERVATION DECK TOWARD WEST

HARRISON DESIGN



MAY 14, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM OBSERVATION DECK TOWARD NORTHEAST

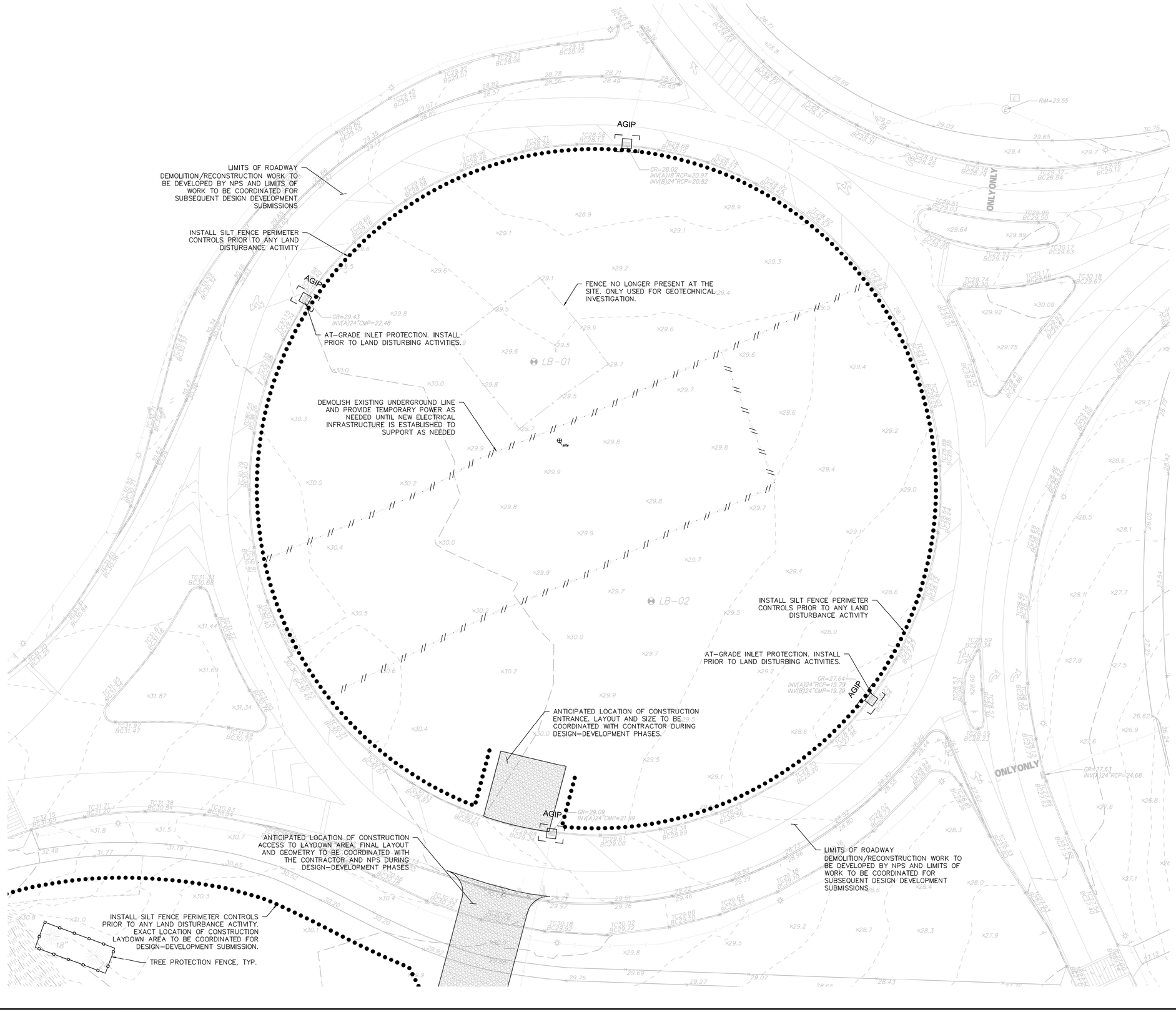
HARRISON DESIGN

MAY 14, 2026

TRIUMPHAL ARCH - WASHINGTON, DC

VIEW FROM OBSERVATION DECK TOWARD SOUTH

HARRISON DESIGN



SITE DEMOLITION AND SITE PREPARATION NOTES:

1. THE CONTRACTOR SHALL INSPECT THE SITE THOROUGHLY AND FIELD-VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES. CONTRACTORS USING THESE PLANS FOR DEMOLITION OR CONSTRUCTION SHALL CONFIRM ALL UTILITIES IN THE FIELD.
2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES, INCLUDING BOT NOT LIMITED TO SIGNS, LIGHTS, FENCES, BARRIERS, AND PEDESTRIAN AND TRAFFIC CONTROL MEASURES DURING DEMOLITION.
3. RECYCLED ASPHALT OR CONCRETE MAY NOT BE USED FOR FILL.

DOEE SOIL EROSION AND SEDIMENT CONTROL PLAN NOTES:

1. FOLLOWING INITIAL LAND DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR INTERIM STABILIZATION MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOR THE SURFACES OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES,PERIMETER SLOPES, AND SLOPES GREATER THAN 3H:1V, AND FOURTEEN (14) DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THESE REQUIREMENTS DO NOT APPLY TO AREAS SHOWN ON THE PLAN THAT ARE USED FOR MATERIAL STORAGE OTHER THAN STOCKPILING, OR FOR THOSE AREAS ON THE PLAN WHERE ACTUAL CONSTRUCTION ACTIVITIES ARE BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY SO THAT STABILIZED AREAS CONTINUOUS MEET THE APPROPRIATE REQUIREMENTS OF THE DISTRICT OF COLUMBIA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
2. ESC MEASURES SHALL BE IN PLACE BEFORE AND DURING LAND DISTURBANCE.
3. CONTACT DOEE INSPECTION (202 535-2977 TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST THREE (3) DAYS BEFORE THE COMMENCEMENT OF A LAND-DISTURBING ACTIVITY.
4. A COPY OF THE APPROVED PLAN SET WILL BE MAINTAINED AT THE CONSTRUCTION SITE FROM THE DATE THAT CONSTRUCTION ACTIVITIES BEGIN TO THE DATE OF FINAL STABILIZATION AND WILL BE AVAILABLE FOR DOEE INSPECTORS.
5. ESC MEASURES SHALL BE IN PLACE TO STABILIZE AN EXPOSED AREA AS SOON AS PRACTICABLE AFTER CONSTRUCTION ACTIVITY HAS BEEN OR PERMANENTLY CEASED BUT NO LATER THAN FOURTEEN (14) DAYS FOLLOWING CESSATION, EXCEPT THAT TEMPORARY OR PERMANENT STABILIZATION SHALL BE IN PLACE AT THE END OF EACH DAY OF UNDERGROUND UTILITY WORK THAT IS NOT CONTAINED WITHIN A LARGER DEVELOPMENT SITE.
6. STOCKPILED MATERIAL BEING ACTIVELY USED DURING A PHASE OF CONSTRUCTION SHALL BE PROTECTED AGAINST EROSION BY ESTABLISHING AND MAINTAINING PERIMETER CONTROLS AROUND THE STOCKPILE.
7. STOCKPILED MATERIAL NOT BEING ACTIVELY USED OR ADDED TO SHALL BE STABILIZED WITH MULCH, TEMPORARY VEGETATION, HYDRO-SEE OR PLASTIC WITHIN FIFTEEN CALENDAR DAYS AFTER ITS LAST USE OR ADDITION.
8. PROTECT BEST MANAGEMENT PRACTICES FROM SEDIMENTATION AND OTHER DAMAGE DURING CONSTRUCTION FOR PROPER POST CONSTRUCTION OPERATION.
9. REQUEST A DOEE INSPECTOR'S APPROVAL AFTER THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
10. REQUEST A DOEE INSPECTOR'S APPROVAL AFTER FINAL STABILIZATION OF THE SITE AND BEFORE THE REMOVAL OF EROSION AND SEDIMENT CONTROLS.
11. FINAL STABILIZATION MEANS THAT ALL LAND-DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND EITHER OF THE FOLLOWING TWO CRITERIA HAVE BEEN MET: (1) A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF SEVENTY PERCENT OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR (2) EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED.
12. FOLLOW THE REQUIREMENTS OF THE UNITED STATED EPS SWPPP AND MAINTAIN A LEGIBLE COPY OF THIS SWPPP ON SITE.
13. POST A SIGN THAT NOTIFIES THE PUBLIC TO CONTACT DOEE IN THE EVENT OF EROSION OR OTHER POLLUTION. THE SIGHT WILL BE PLACED AT EACH ENTRANCE TO THE SITE OR AS DIRECTED BY THE DOEE INSPECTOR. EACH SIGN WILL BE NO LESS THAN 18 x 24 INCHES IN SIZE AND MADE OF MATERIALS THAT WILL WITHSTAND WEATHER FOR THE DURATION OF THE PROJECT. LETTERING WILL BE AT LEAST 1 INCH IN HEIGHT AND EASILY READABLE BY THE PUBLIC FROM A DISTANCE OF TWELVE FEET (12 FT). THE SIGN MUST DIRECT THE PUBLIC, IN SUBSTANTIALLY THE FOLLOWING FORM: " TO REPORT EROSION, RUNOFF OR STORMWATER POLLUTION" AND WILL PROVIDE TEH CONSTRUCTION SITE ADDRESS, DOEE'S TELEPHONE NUMBER, DOEE'S EMAIL ADDRESS AND THE 311 MOBILE APP HEADING.

Date	Description	No.
Revisions		

Signature Date

LANGAN
Langan Engineering and Environmental Services, LLC
1300 Wilson Blvd
Arlington, VA 22209
www.langan.com

Project

CONFIDENTIAL PROJECT

GEORGE WASHINGTON MEMORIAL PARKWAY
PAR03170001
WASHINGTON DISTRICT OF COLUMBIA

Drawing Title

DEMOLITION AND SITE PREPARATION PLAN

Project No.	Drawing No.
270228201	CD101
Date: 05/22/2026	
Drawn By: AMF	
Checked By: RCL	0

LANGAN
Project No. 001234501

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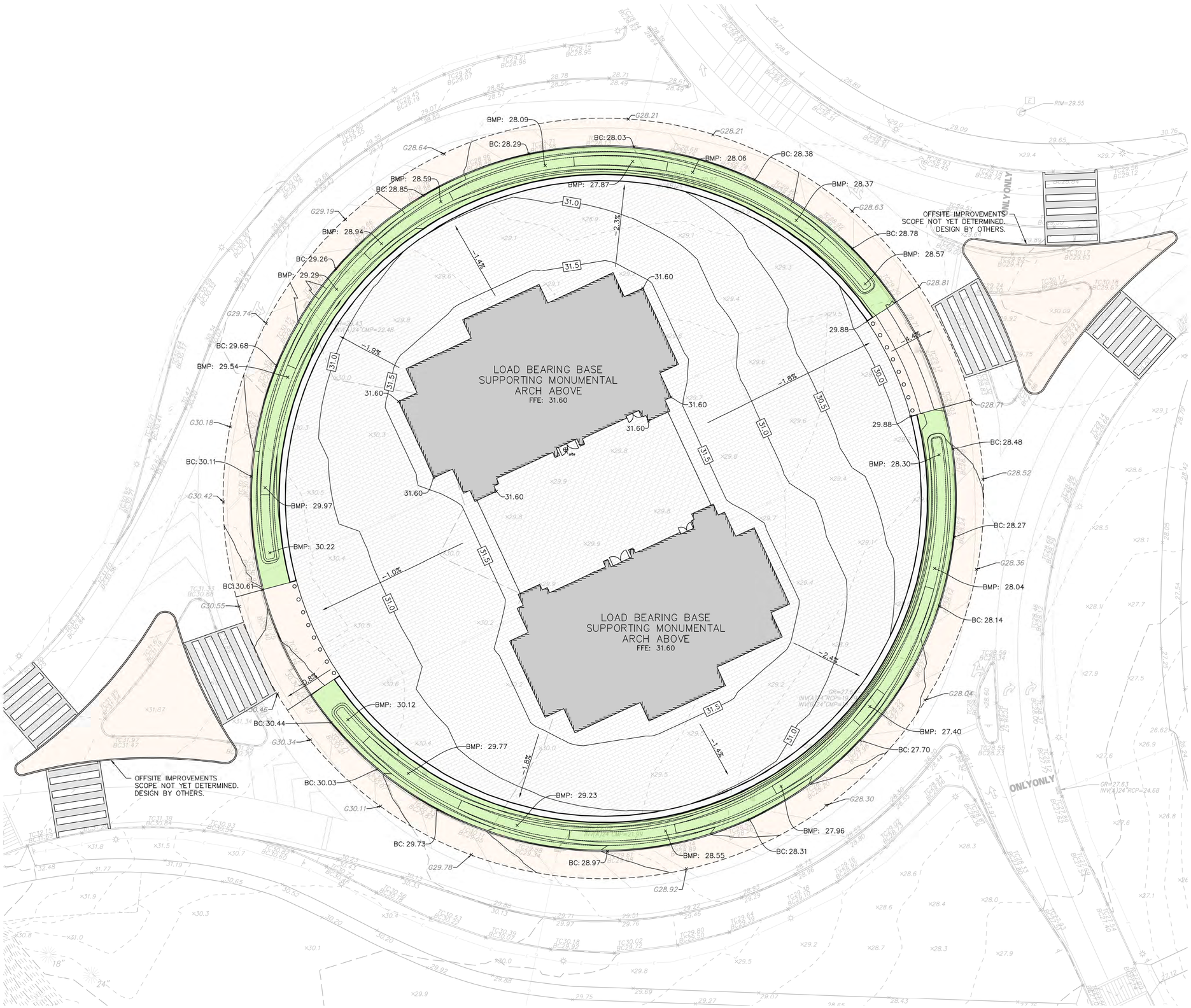

GRADING PLAN NOTES:

1. ALL GRADING, DRAINAGE AND UTILITY INSTALLATION AND/OR CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS OR LOCAL REQUIREMENTS. SHOULD A DIFFERENCE IN REQUIREMENTS OCCUR, THE STRICTER OF THE TWO REGULATIONS WILL APPLY.
2. GRADE ALL AREAS OTHER THAN PAVED GRADED AREAS AND BUILDINGS, INCLUDING EXCAVATED AREAS, FILLED AND TRANSITION AREAS, AND LANDSCAPED AREAS TO FINISH GRADE ELEVATIONS OR CONTOURS AS INDICATED ON DRAWINGS. FINISHED SUBGRADE SURFACE SHALL BE UNIFORM AND SMOOTH, FREE FROM ROCK, DEBRIS, OR IRREGULAR SURFACE CHANGES. FINISHED SUBGRADE SHALL NOT BE MORE THAN 0.01 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATION, AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE WITHOUT PONDING AND IN A MANNER THAT WILL MINIMIZE EROSION POTENTIAL.
3. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC LOADING AND BE INSTALLED ACCORDINGLY.
4. SITE GRADING SHALL NOT PROCEED UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
5. CONTRACTOR SHALL REVIEW ALL DRAINAGE CONNECTIONS TO MANHOLES AND CATCH BASINS AND INCREASE THE INLET BOX SIZES AS NECESSARY TO ACCOMMODATE THE PROPOSED INLET AND OUTLET PIPES.
6. ALL GRADING IS TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
7. ALL PAVING THICKNESSES SHOWN ARE THE COMPACTED THICKNESS.
8. CURB ELEVATIONS INDICATED "BC" ARE BOTTOM OF CURB ELEVATIONS. CURB ELEVATIONS INDICATED AS "TC" ARE TOP OF CURB ELEVATIONS.

SCALE: 1 INCH = 20 FEET

Date	Description	No.
Revisions		

Signature Date

LANGAN
Langan Engineering and Environmental Services, LLC
1300 Wilson Blvd
Arlington, VA 22209
www.langan.com

Project

CONFIDENTIAL PROJECT

GEORGE WASHINGTON MEMORIAL PARKWAY
PAR03170001
WASHINGTON DISTRICT OF COLUMBIA

Drawing Title

GRADING PLAN

Project No. 270228201	Drawing No. CG101
Date 05/22/2026	
Drawn By AMF	
Checked By RCL	

LANGAN
Project No. 001234501

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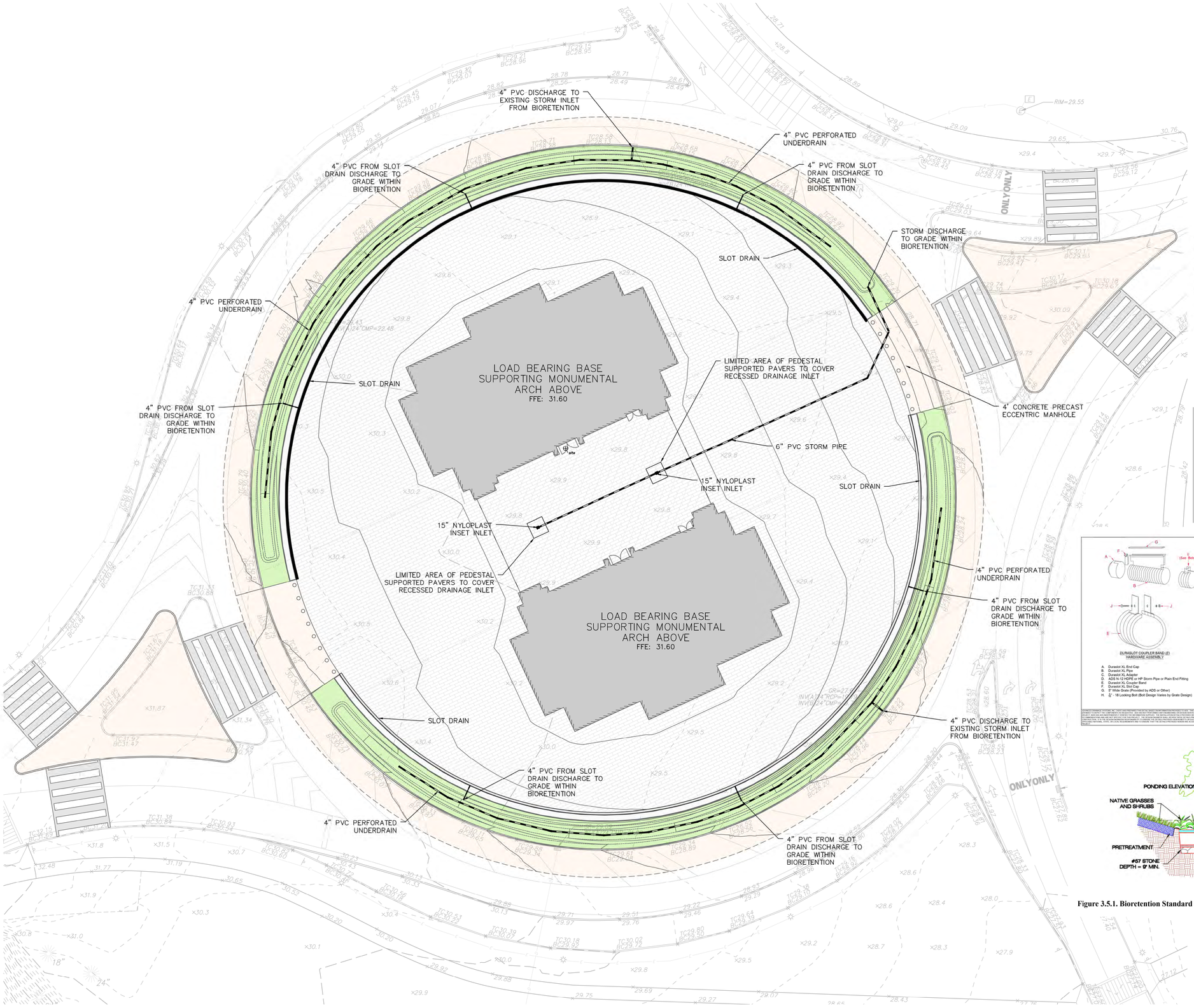
Date: 5/22/2026 Time: 17:33 User: tarvin Style Table: Langan.stb Layout: Layout1 Document Code: 270228201-0301-CG101-0101



DRAINAGE PLAN NOTES:

1. ALL GRADING, DRAINAGE AND UTILITY INSTALLATION AND/OR CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS OR LOCAL REQUIREMENTS. SHOULD A DIFFERENCE IN REQUIREMENTS OCCUR, THE STRICTER OF THE TWO REGULATIONS WILL APPLY.
2. GRADE ALL AREAS OTHER THAN PAVED GRADED AREAS AND BUILDINGS, INCLUDING EXCAVATED AREAS, FILLED AND TRANSITION AREAS, AND LANDSCAPED AREAS TO FINISH GRADE ELEVATIONS OR CONTOURS AS INDICATED ON DRAWINGS. FINISHED SUBGRADE SURFACE SHALL BE UNIFORM AND SMOOTH, FREE FROM ROCK, DEBRIS, OR IRREGULAR SURFACE CHANGES. FINISHED SUBGRADE SHALL NOT BE MORE THAN 0.01 FEET ABOVE OR BELOW ESTABLISHED FINISHED SUBGRADE ELEVATION, AND ALL GROUND SURFACES SHALL VARY UNIFORMLY BETWEEN INDICATED ELEVATIONS. DITCHES SHALL BE GRADED TO ALLOW FOR PROPER DRAINAGE WITHOUT PONDING AND IN A MANNER THAT WILL MINIMIZE EROSION POTENTIAL.
3. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC LOADING AND BE INSTALLED ACCORDINGLY.
4. SITE GRADING SHALL NOT PROCEED UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
5. CONTRACTOR SHALL REVIEW ALL DRAINAGE CONNECTIONS TO MANHOLES AND CATCH BASINS AND INCREASE THE INLET BOX SIZES AS NECESSARY TO ACCOMMODATE THE PROPOSED INLET AND OUTLET PIPES.
6. ALL GRADING IS TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE BUILDING.
7. CURB ELEVATIONS INDICATED "BC" ARE BOTTOM OF CURB ELEVATIONS. CURB ELEVATIONS INDICATED AS "TC" ARE TOP OF CURB ELEVATIONS.

STORMWATER CONVEYANCE NARRATIVE

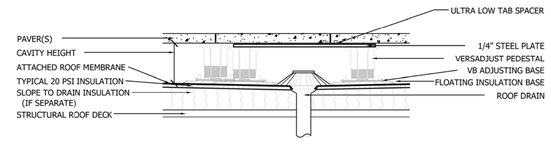
THE PROPOSED STORMWATER CONVEYANCE SYSTEM CONSISTS OF A SERIES OF INLETS AND SLOT DRAINS THAT WILL CAPTURE AND CONVEY STORMWATER RUNOFF FROM THE MONUMENT PLAZA TO SURROUNDING STORMWATER MANAGEMENT INFRASTRUCTURE (IE. BIORETENTION). OVERFLOW DRAINS FROM THE BIO–RETENTION AREA WILL CONNECT TO EXISTING STORM DRAINS LOCATED WITHIN MEMORIAL CIRCLE, BEFORE ULTIMATELY DISCHARGING TO THE POTOMAC RIVER AND BOUNDARY CHANNEL.

STORMWATER MANAGEMENT NARRATIVE

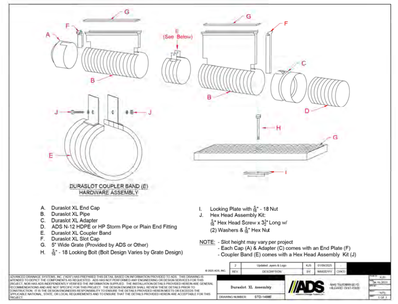
BASED ON DC WATER REGULATIONS AND THE ANTICIPATED LIMITS OF DISTURBANCE (76,000 SQUARE FEET), THE PROJECT IS CONSIDERED A MAJOR LAND DISTURBANCE ACTIVITY. AS SUCH, THE STORMWATER MANAGEMENT RETENTION VOLUME IS DEVELOPED BASED ON A 1.2 INCH STORM, PER DOEE REGULATIONS.

BASED ON A PRELIMINARY CALCULATION FROM THE SURFACE AND GROUNDWATER SYSTEM, THE ANTICIPATED SWRv IS 6,301 CUBIC FEET.

THE PROJECT WILL BE REQUIRED TO RETAIN OR TREAT AT LEAST 50% OF THE SWRv.



A1 **DRAIN PEDESTAL PLACEMENT SECTION DETAIL**



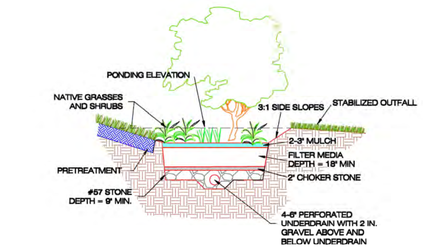


Figure 3.5.1. Bioretention Standard Design.

20 0 5 10 20
SCALE: 1 INCH = 20 FEET

Date	Description	No.
Revisions		

Signature Date

LANGAN
Langan Engineering and Environmental Services, LLC
1300 Wilson Blvd
Arlington, VA 22209
www.langan.com

Project
CONFIDENTIAL PROJECT
GEORGE WASHINGTON MEMORIAL PARKWAY
PAR03170001
WASHINGTON DISTRICT OF COLUMBIA

Drawing Title
DRAINAGE PLAN

Project No.	Drawing No.
270228201	CG102
Date: 05/22/2026	
Drawn By: AMF	
Checked By: RCL	

LANGAN
Project No. 001234501

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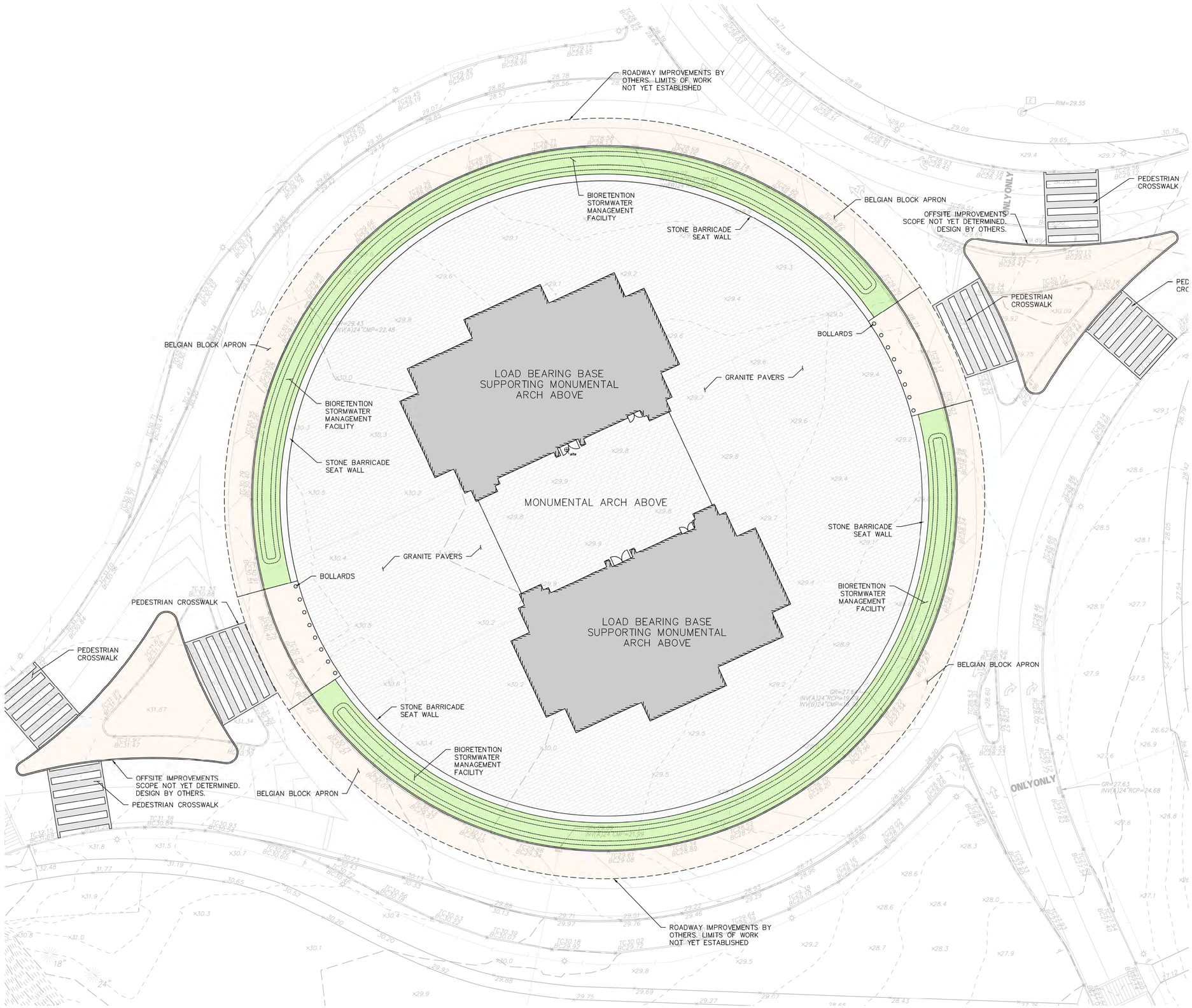

SITE PLAN NOTES:

1. ALL ELEVATIONS ARE SHOWN IN DATUM NAVD 88.
2. CONSTRUCTION INFORMATION AND REQUIREMENTS ARE LOCATED IN NUMEROUS PROJECT DOCUMENTS SUCH AS DRAWINGS, SPECIFICATIONS, DETAILS, NOTES, ORDINANCES, CODES, PERMITS, STANDARDS, GUIDELINES AND MANUFACTURER DOCUMENTS. THE MOST STRINGENT CRITERIA SHALL APPLY.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES, UNDERSTANDING AND IMPLEMENTING THE REFERENCED PROJECT STANDARDS (I.E. ASTM, AWWA, AASHTO, ETC.), PROJECT PERMIT REQUIREMENTS, REGULATORY CODES AND REGULATIONS, AND MANUFACTURER GUIDELINES AND REQUIREMENTS.
4. UNDERGROUND UTILITIES AND INFRASTRUCTURE ARE LOCATED THROUGHOUT THE SITE AND MAY BE PRESENT IN AREAS OF PROPOSED WORK. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING AND LOCATING UNDERGROUND UTILITIES AND INFRASTRUCTURE PRIOR TO WORK. IF CONFLICTS WITH PROPOSED WORK ARE OBSERVED, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR REVIEW. CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING ADJACENT TO EXISTING UNDERGROUND UTILITIES AND INFRASTRUCTURE.
5. THE ROADWAY IMPROVEMENTS SURROUNDING MEMORIAL CIRCLE AND THE PROPOSED MONUMENT ARE CURRENTLY BEING DEVELOPED BY NPS. THE LIMITS OF ROADWORK SHOWN HEREIN ARE PROVIDED FOR REFERENCE ONLY AND WILL BE COORDINATED WITH NPS DURING THE DESIGN DEVELOPMENT PHASE OF THE PROJECT.

LEGEND:

LOAD BEARING BASE SUPPORTING MONUMENTAL ARCH ABOVE	
ARCH OVERHEAD	
GRANITE PAVERS	
LANDSCAPE	

SCALE: 1 INCH = 20 FEET

Date	Description	No.
Revisions		

Signature Date

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Project

CONFIDENTIAL PROJECT

GEORGE WASHINGTON MEMORIAL PARKWAY
PAR03170001
WASHINGTON DISTRICT OF COLUMBIA

Drawing Title

SITE PLAN

Project No. 270228201	Drawing No. CS101
Date 05/22/2026	
Drawn By AMF	
Checked By RCL	

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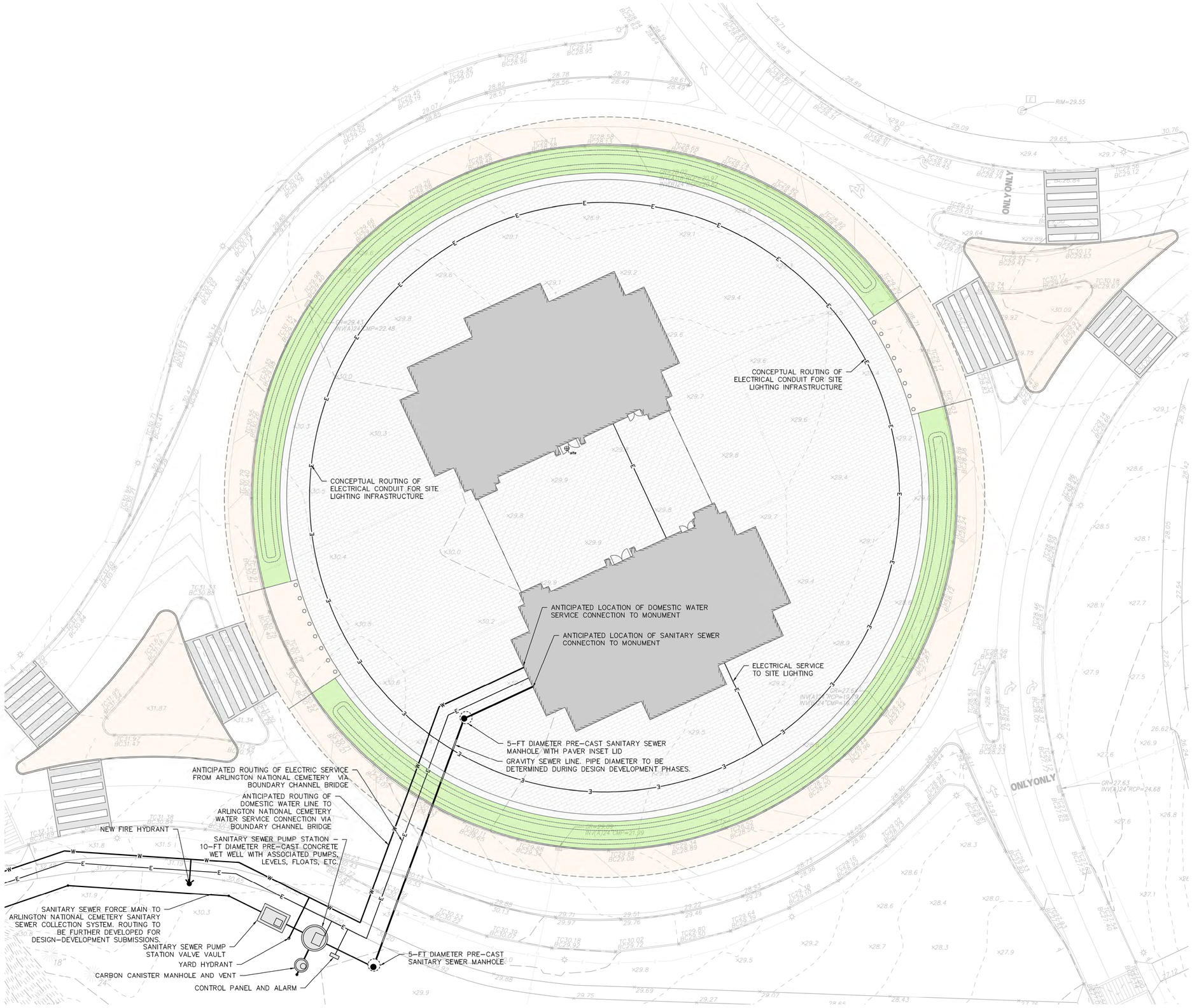
Date: 5/22/2026 Time: 17:34 User: tarvin Style Table: Langan.stb Layout: Layout1 Document Code: 270228201-0301-CS101-0101

LANGAN Project No. 001234501



UTILITY PLAN NOTES:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND MEP PLANS AND SPECIFICATIONS FOR ACTUAL LOCATIONS OF ALL UTILITY ENTRANCES TO THE STRUCTURE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, UTILITY LOCATIONS, AND INVERTS PRIOR TO CONSTRUCTION. ANY CONDITIONS FOUND TO DIFFER FROM THOSE SHOWN BY THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. ALL SANITARY SEWER AND WATER LINE WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (DC WATER, ARLINGTON NATIONAL CEMETERY, NATIONAL PARK SERVICE, AND/OR ARLINGTON COUNTY.
4. ALL PLANS SHALL BE SUBMITTED TO ALL AHJs FOR REVIEW AND APPROVAL AS PART OF THE DESIGN DEVELOPMENT AND PERMITTING PROCESS.
5. CONTRACTOR SHALL PERFORM TEST PITS AT THE LOCATIONS OF ALL PROPOSED UTILITY CROSSINGS.
6. ALL UTILITY INFRASTRUCTURE THAT IS INSTALLED ABOVE GRADE (IE. SUSPENDED FROM BRIDGES) SHALL BE INSTALLED WITH INSULATION AND/OR HEAT TRACE TAPE TO ASSURE YEAR ROUND SYSTEM FUNCTIONALITY.
7. DOMESTIC WATER DEMANDS AND SANITARY SEWER LOADS HAVE NOT YET BEEN DEVELOPED BY THE MEP ENGINEER AND THE PROPOSED INFRASTRUCTURE HAS NOT YET BEEN SIZED.

SCALE: 1 INCH = 20 FEET

Date	Description	No.
Revisions		

Signature Date

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Project

CONFIDENTIAL PROJECT

GEORGE WASHINGTON MEMORIAL PARKWAY
PAR03170001
WASHINGTON DISTRICT OF COLUMBIA

Drawing Title

UTILITY PLAN

Project No. 270228201	Drawing No. CU101
Date 05/22/2026	
Drawn By AMF	
Checked By RCL	

LANGAN
Project No. 001234501

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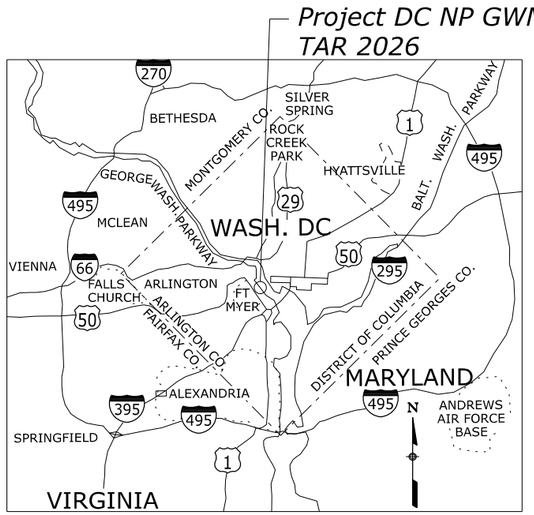
NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	A01



KEYMAP
WASHINGTON DC
AND METROPOLITAN AREA

U. S. DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
GEORGE WASHINGTON MEMORIAL PARKWAY
NATIONAL PARK

PLANS FOR PROPOSED PROJECT

DC NP GWMP ARCH TAR 2026

SIGNAL INSTALLATION AROUND THE MEMORIAL CIRCLE
TEMPORARY TRAFFIC CONTROL FOR CONSTRUCTION OF THE ARCH

WASHINGTON,
DISTRICT OF COLUMBIA

DESCRIPTION OF PROJECT

IMPROVEMENT: Work includes the signalization of memorial circle, construction of new sidewalk, pavement markings and signage, maintenance of traffic for the construction of the arch, and other miscellaneous work.

PROJECT LENGTH: 0.03 Miles

LANE MILES: 0.03 Miles

ROAD:	WIDTH	SURFACE	BASE	SUBGRADE
Memorial Circle	30'	4" ACP	6"	N/A

BRIDGE: N/A

DESIGN DESIGNATION:

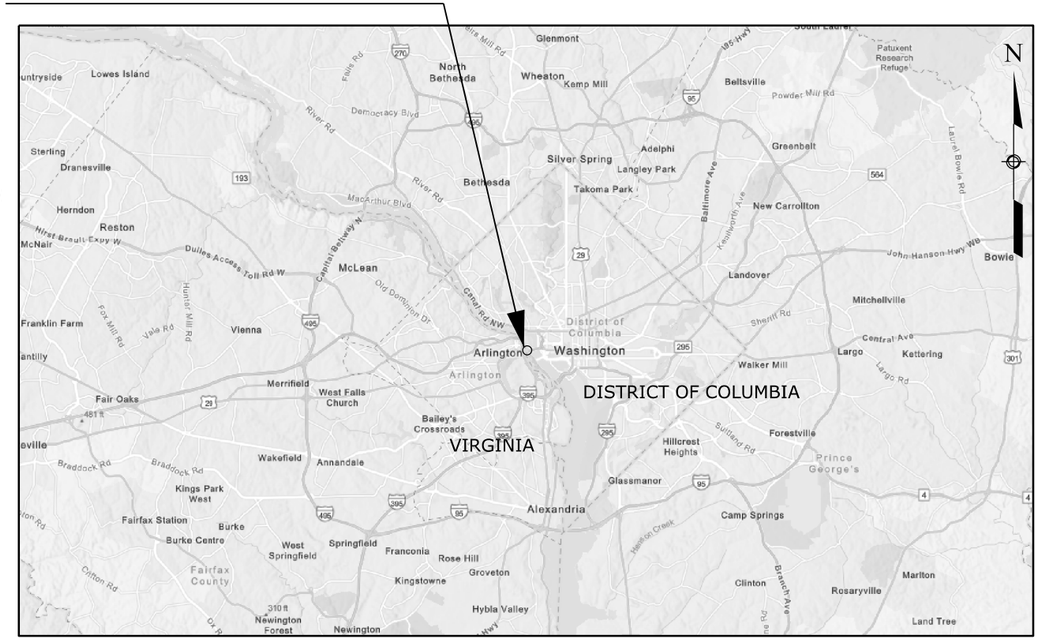
GWMP ADT (2026)	16716
GWMP ADT (2046)	22514
DHV	3
D	50/50
%Truck	0.10%
V (MPH)	30
C/A	None
e(max)	N/A

SPECIFICATIONS:

"Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects", FP-24.

Project Manager	Highway Design Manager	Lead Designer
XXXXX XXXXXX	Chris Burnell	Team Forge

DC NP GWMP ARCH TAR 2026



INDEX TO SHEETS

SHEET NO	DESCRIPTION
A01	Title Sheet
A02-A03	Symbols And Abbreviations
A04	Location Map
B01-B03	Typical Section
C01	Tabulation of Quantities
D01-D05	Plans
H01-H04	Traffic Signal Plan
M01	Erosion and Sediment Control Narrative
M02-M06	Erosion and Sediment Plans
N01	Temporary Traffic Control Narrative
N02-N09	Temporary Traffic Control for Signal and Sidewalk Improvement
N10-N12	Temporary Traffic Control for the Construction of the Arch
P01-P03	Pavement Marking and Signing Plan
S01-S22	Standards And Details

Know what's **below.**
Call before you dig.

30% PLANS

PLANS PREPARED BY
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
ASHBURN, VIRGINIA
MAY, 2026

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21 May 2026 6:11 PM

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	A02

Δ	total central angle
Δc	curve central angle
Ø	diameter
θs	spiral central angle
abut.	abutment
ACP	asphalt concrete pavement
ADT	average daily traffic
Agg	aggregate
AH	ahead
AMD	amendment
appr.	approach
ASC	aggregate surface course
Asph	asphalt
BK	back
BL	baseline
bldg.	building
BM	bench mark
BP	balance point
br.	bridge
brg.	bearing
BW	broken white
cc or c. to c.	center to center
CL	centerline
CMP	corrugated metal pipe
col.	column
conc.	concrete
conn.	connection
constr. jt.	construction joint
cont.	continuous
CS	curve to spiral
ctrs.	centers
D	directional distribution factor
DHV	design hourly volume
dia.	diameter
diag.	diagonal
diaph.	diaphragm
dist.	distance
drwg(s).	drawing(s)
DSY	double solid yellow
DW or DTW	dotted white
DY or DTY	dotted yellow
E	east
e	superelevation rate
elec.	electric
elev.	elevation
emb.	embankment
EOP	edge of pavement
EOS	edge of shoulder
EOT	edge of travel way
EQ or eq.	equation
ER	edge of road
ESAL	equivalent single axle load
EW	edge of water
ex. or exist.	existing
exc.	excavation
exp. jt.	expansion joint
fin.	finish
flg.	flange
ftg.	footing
ga.	gage (gauge)
GAB	graded aggregate base
galv.	galvanized
gnd or grnd	ground
hdwl.	headwall
hex.	hexagon
HLSD	headlight sight distance
HW	high water
ID	inside diameter
INF	infinite
inv.	invert
jt.	joint
K	K-Value
L	length of curve
lam.	lamination
lat.	latitude
LOD	Limits of Disturbance
long.	longitudinal
LPSM	lump sum
Ls	length of spiral
lt. or LT	left
LW	low water
ML	main line
MOD	modification
MP	mile post
max.	maximum
min.	minimum
mon.	monument
N	north
NC	normal crown
NMSA	nominal maximum size aggregate
No.	number
o. c.	on center
ohwm	ordinary high water mark
o. to o.	out to out
OD	outside diameter
OG	original ground
PC	point of curve
PCC	point of compound curve
PCS	point of curve to spiral
PGL	profile grade line
PI	point of intersection
pl.	plate
POB	point of beginning
POC	point on curve
POE	point of ending
POS	point on spiral
POT	point on tangent
prop.	proposed
PS	point of tangent to spiral
PSC	point of spiral to curve
PST	point of spiral to tangent
PT	point of tangent
pvmt.	pavement
R	radius
R.	range
R/W	right-of-way
rdwy.	roadway
RECP	rolled erosion control product
reinf.	reinforcement
reqd.	required
rt. or RT	right
rte.	route
S	south
SADT	seasonal average daily traffic
SC	point of spiral to curve
sec.	section
shldr.	shoulder
spa.	spacing, spaces or spaced
sqft	square foot
sqyd	square yard
SRS	point of spiral to reverse spiral
SS	point of spiral to spiral (no curve)
SSD	stopping sight distance
ST	point of spiral to tangent
Sta.	station
std.	standard
stgr.	stringer
stiff.	stiffener
struc.	structural
STS	point of spiral to tangent spiral
SW or SDW	solid white
sym.	symmetrical
S/W	sidewalk
T	tangent distance
T.	township
TBM	temporary bench mark
thd.	thread
traf.	traffic
TS	point of tangent to spiral
Ts	tangent distance (spiraled curve)
typ.	typical
V	design speed
VC	vertical curve
var.	varies
vph	vehicles per hour
VPI	vertical point of intersection
W	west

Control Point (Terrestrial and GPS); Jump Hub

National Boundary

State Boundary

County Boundary

City Boundary

Township or Range Line

Section Line

Section Corner (Found, Projected)

¼ Section Line

¼ Section Corner (Found, Projected)

1/16 Section Line

1/16 Section Corner (Found, Projected)

Property Line w/Found Property Corner

Parcel Number

National Park Boundary

National Forest Boundary

National Wildlife Refuge Boundary

BLM Lands Boundary

Indian Reservation Boundary

Existing Roadway (Road, Paved, Gravel)

Railroad

Trail

Intermittent Drainage or Small Creek

Large Creek or River

Lake, Pond or Reservoir

Spring or Seep

Treeline; Individual Trees

Material Source; Bore Hole; Test Pit

Spot Elevation; Coordinate Grid Tick

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

SYMBOLS AND ABBREVIATIONS

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21 May 2026 6:11 PM

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	A03

North Arrow

		EXISTING	PROPOSED
Slope Stake Limits	Top of Cut		
	Toe of Fill		
	Transition		
Fence			
Gate with Fence			
Cattleguard			
Guardrail			
Concrete Barrier			
Retaining Wall			
Signs (single, double post; portable)			
Delineators			
Pipe Culvert (arrow shows flow)			
Pipe Culvert with End Section			
Pipe Culvert with Headwall			
Pipe Culvert with Drop Inlet			DI
Box Culvert			
Underdrain		UD	UD
Overhead/Above Ground Utilities		P P	P P
Underground Utilities		W W	W W

FM = force main, FO = fiber optic, G = gas, IRR = irrigation, O = oil,
P = power, SA = sanitary sewer, SD = storm drain, SS = storm sewer,
STEAM = steam, T = telephone, TV = CATV, W = water

Poles (Power, Telephone, Joint Use, Light, Support w/Anchor)

Miscellaneous Utility Features

EM = electric meter, T = telephone pedestal, TV = CATV pedestal,
UP = transformer or junction box, WF = water fountain

Building

Right-of-Way Line with Monument — r/w — R/W

Permanent Easement — P/E — P/E

Construction Easement — TCE

Riprap

AREA PATTERN

Pavement Removal / Roadway Obliteration

Sidewalk Asphalt/Concrete

Mill and Overlay

Overlay

Silt Fence — SF

Diversion Berm — DB

Drainage Divide

Check Dam

Limits of Disturbance — LOD LOD LOD

Fiber Roll or Wattle

PROJECT SPECIFIC SYMBOLS AND ABBREVIATIONS:

Proposed Traffic Signal Pole

Proposed Pedestrian Pedestal

DW	Dotted white
SSW	Single solid white
SSY	Single solid yellow
RPM	Raised Pavement Markers

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OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

SYMBOLS AND ABBREVIATIONS

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

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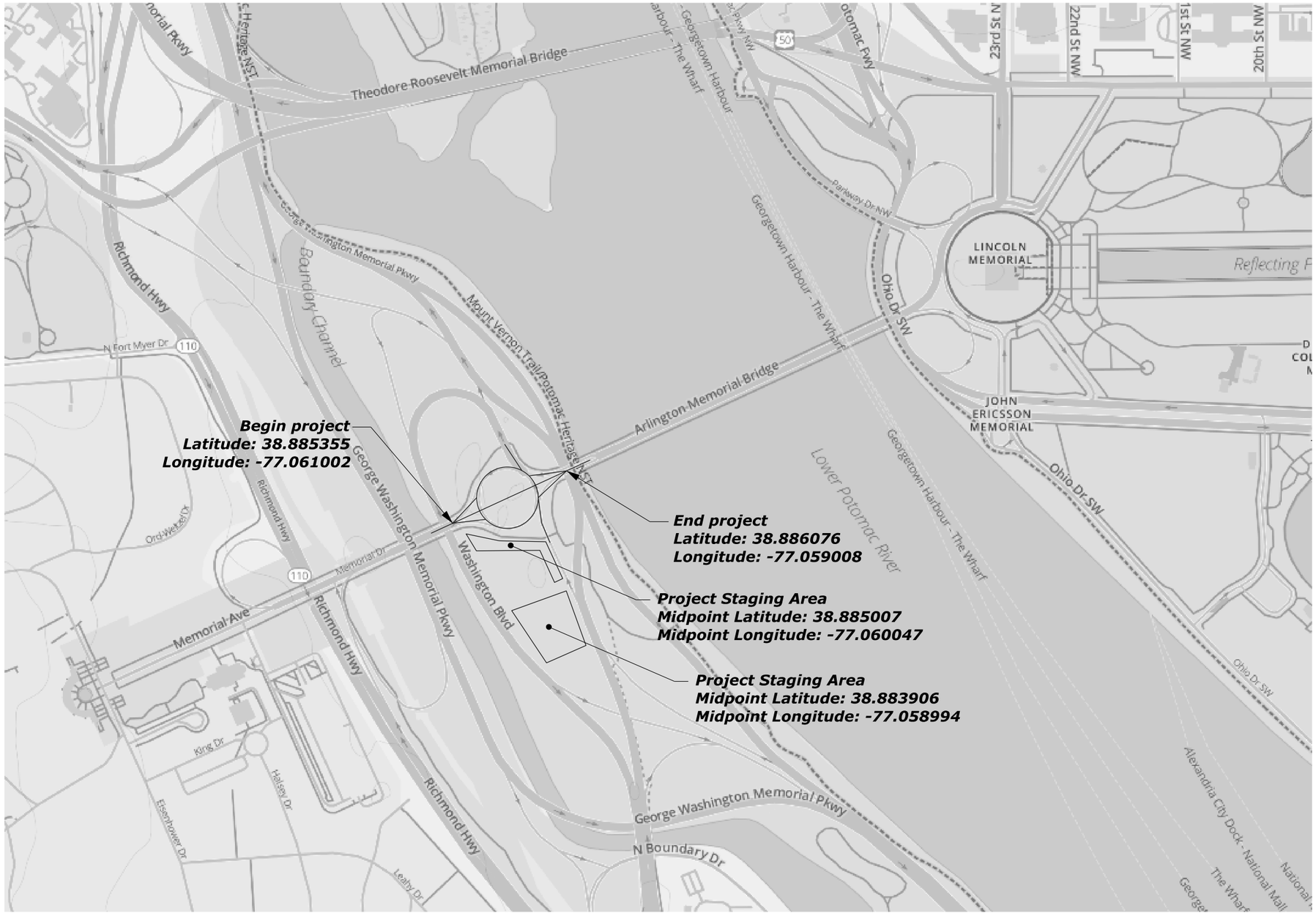

Note:
Final staging area limits as directed.

NO.	DATE	BY	REVISIONS

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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

NO SCALE

GEORGE WASHINGTON MEMORIAL PARKWAY

LOCATION MAP

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NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

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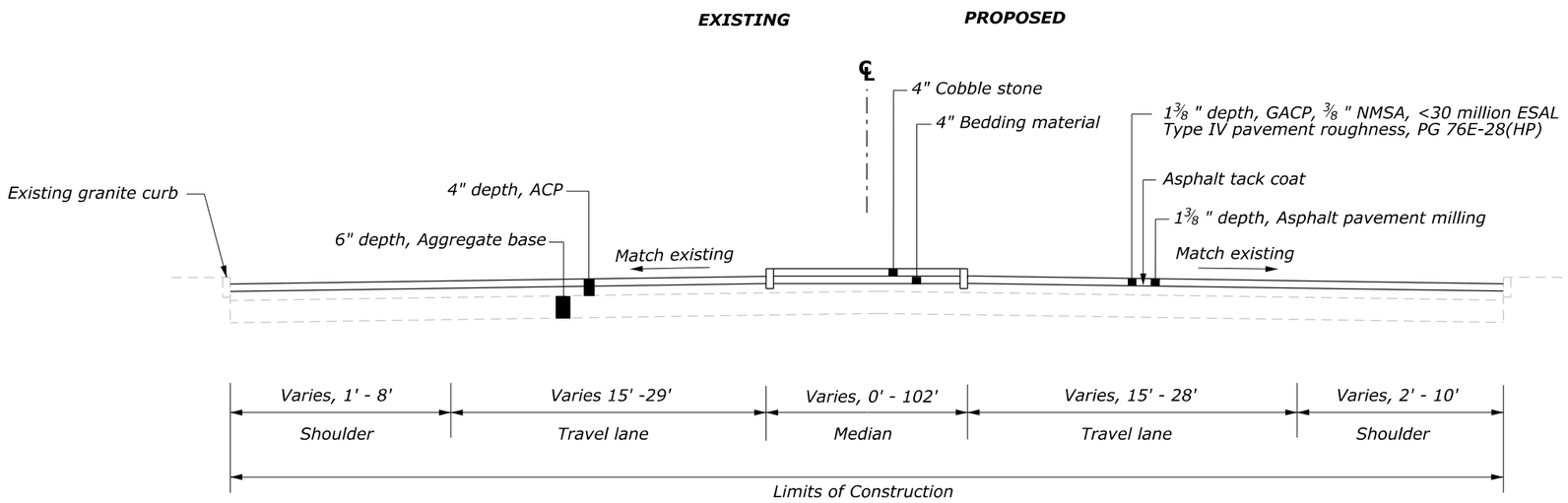
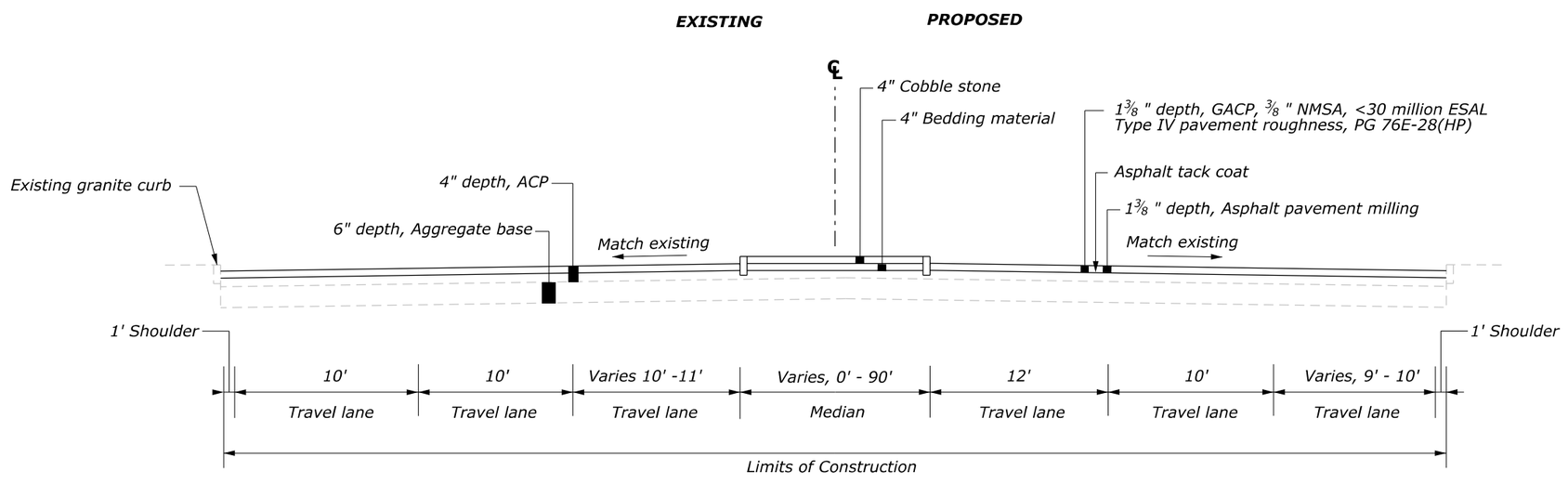


MEMORIAL AVENUE BRIDGE TO MEMORIAL CIRCLE



MEMORIAL CIRCLE TO ARLINGTON MEMORIAL BRIDGE

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GEORGE WASHINGTON MEMORIAL PARKWAY

TYPICAL SECTIONS

MEMORIAL CIRCLE, ARLINGTON MEMORIAL BRIDGE
SCHEDULE A

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PROJECT	SHEET NUMBER
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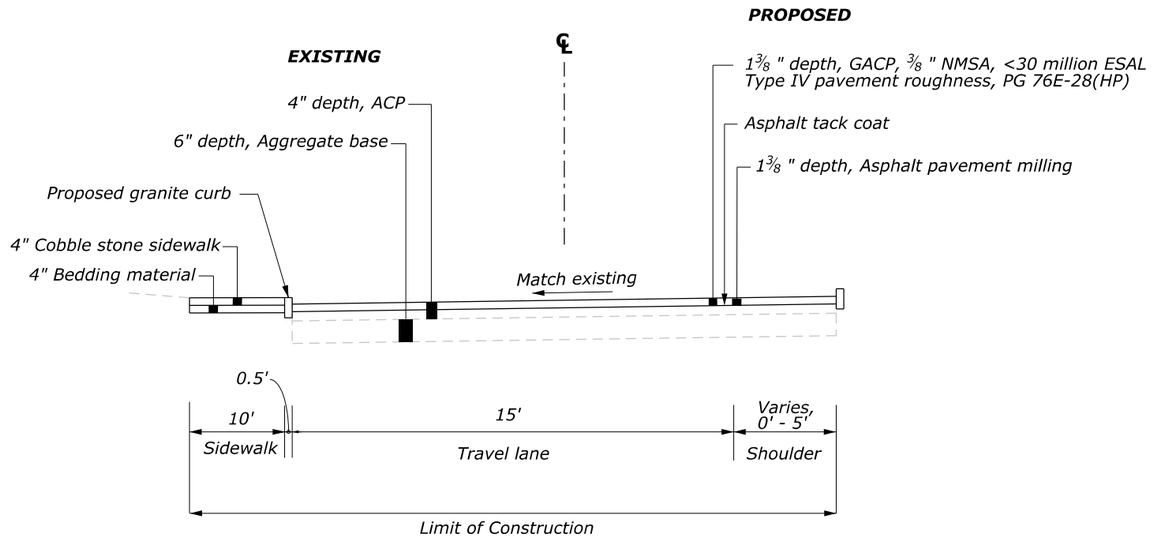
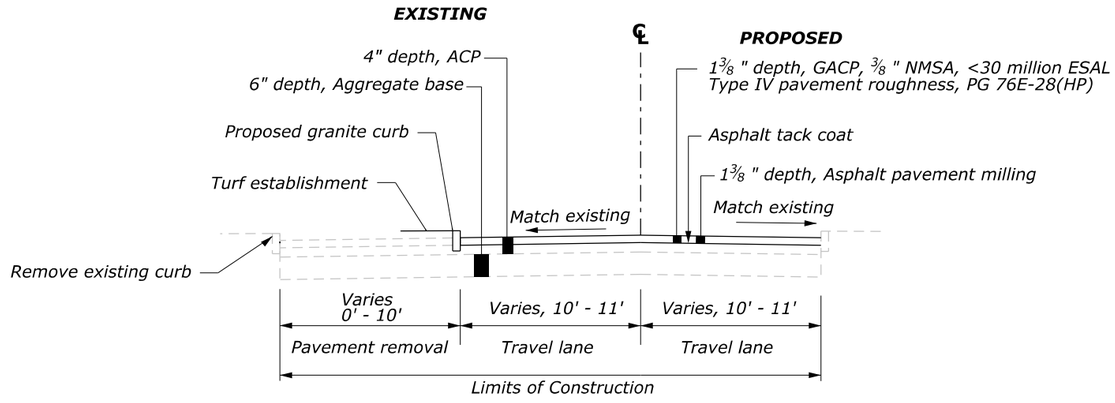


MEMORIAL CIRCLE



WASHINGTON BLVD

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
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GEORGE WASHINGTON MEMORIAL PARKWAY

TYPICAL SECTIONS

MEMORIAL CIRCLE, WASHINGTON BLVD
SCHEDULE A

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PROJECT	SHEET NUMBER
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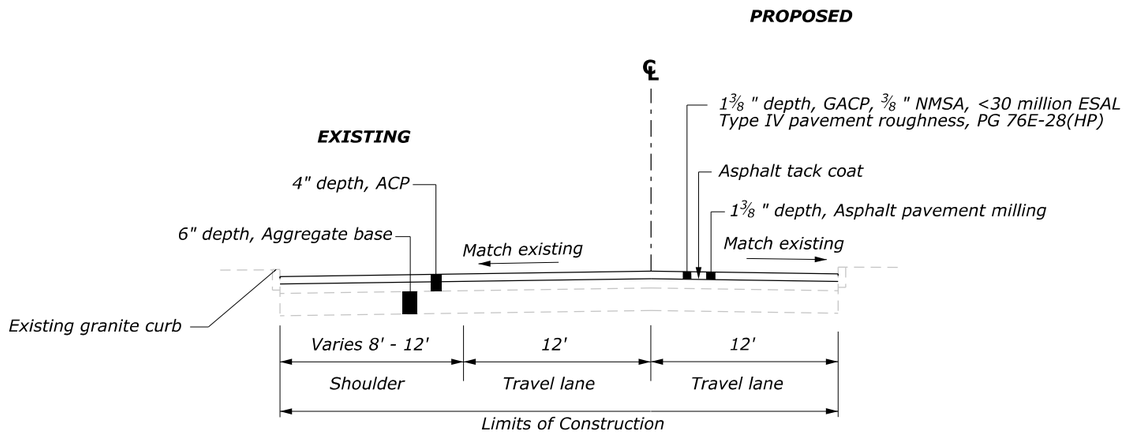

ARLINGTON BLVD

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GEORGE WASHINGTON MEMORIAL PARKWAY

TYPICAL SECTIONS

ARLINGTON BLVD

SCHEDULE A

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	C01

SCHEDULE A

Line Item No.	Pay Item No.	Pay Item Description	Unit	Estimated Quantities
				Bid Schedule
A0100	15101-0000	MOBILIZATION	LPSM	ALL
A0150	15201-0000	CONSTRUCTION SURVEY AND STAKING	LPSM	ALL
A0200	15401-0000	CONTRACTOR TESTING	LPSM	ALL
A0250	15701-0000	SOIL EROSION CONTROL	LPSM	ALL
A0300	15720-0000	STORMWATER POLLUTION PREVENTION PLAN	LPSM	ALL
A0350	20301-2400	REMOVAL OF SIGN	EACH	32
A0400	20302-0600	REMOVAL OF CURB, STONE	LNFT	2,600
A0450	20303-0500	REMOVAL OF GRANITE COBBLES	SQYD	1,700
A0500	20303-1600	REMOVAL OF PAVEMENT, ASPHALT	SQYD	1,400
A0550	20303-3200	REMOVAL OF SIDEWALK, CONCRETE	SQYD	2,100
A0600	20303-3300	REMOVAL OF SIDEWALK, STONE	SQYD	60
A0650	31302-0000	AGGREGATE-TOPSOIL COURSE	SQYD	1,200
A0700	40101-0200	ASPHALT CONCRETE PAVEMENT, GYRATORY MIX, 3/8-INCH NOMINAL MAXIMUM SIZE AGGREGATE, 0.3 TO <3 MILLION ESAL	TON	510
A0750	41201-0000	TACK COAT	TON	4
A0800	41301-0000	ASPHALT PAVEMENT MILLING	SQYD	6,800
A0850	60901-4000	CURB, STONE, TYPE 1, 16-INCH DEPTH	LNFT	3,000
A0900	61001-0500	SIDEWALK, EXPOSED AGGREGATE CONCRETE	SQYD	2,300
A0950	61004-4000	ACCESSIBILITY RAMP, STONE	SQYD	370
A1000	61006-2000	PAVING, COBBLESTONE	SQYD	1,950
A1050	61008-0100	RESET COBBLESTONE PAVERS	SQYD	1,150
A1100	62502-0000	TURF ESTABLISHMENT	SQYD	1,050
A1150	63304-0900	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING	SQFT	16
A1200	63316-1000	REMOVE AND RESET SIGN SYSTEM	EACH	2
A1250	63401-1500	PAVEMENT MARKINGS, TYPE H, SOLID	LNFT	19,900
A1300	63401-1650	PAVEMENT MARKINGS, TYPE H, DOTTED	LNFT	24
A1350	63405-2900	PAVEMENT MARKINGS, TYPE H, TURN ARROW	EACH	4
A1400	63405-2950	PAVEMENT MARKINGS, TYPE H, STRAIGHT ARROW	EACH	1
A1450	63405-3000	PAVEMENT MARKINGS, TYPE H, STRAIGHT/TURN ARROW COMBINATION	EACH	3
A1500	63405-3050	PAVEMENT MARKINGS, TYPE H, "ONLY" WORD MESSAGE	EACH	4
A1550	63406-0300	RAISED PAVEMENT MARKER, NON-PLOWABLE, MONO-DIRECTIONAL REFLECTIVE	EACH	12
A1600	63501-0000	TEMPORARY TRAFFIC CONTROL	LPSM	ALL
A1650	63602-1000	SYSTEM INSTALLATION, TRAFFIC SIGNAL	EACH	48
A1700	63701-0000	FIELD OFFICE	EACH	1

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

TABULATION OF QUANTITIES
SCHEDULE A

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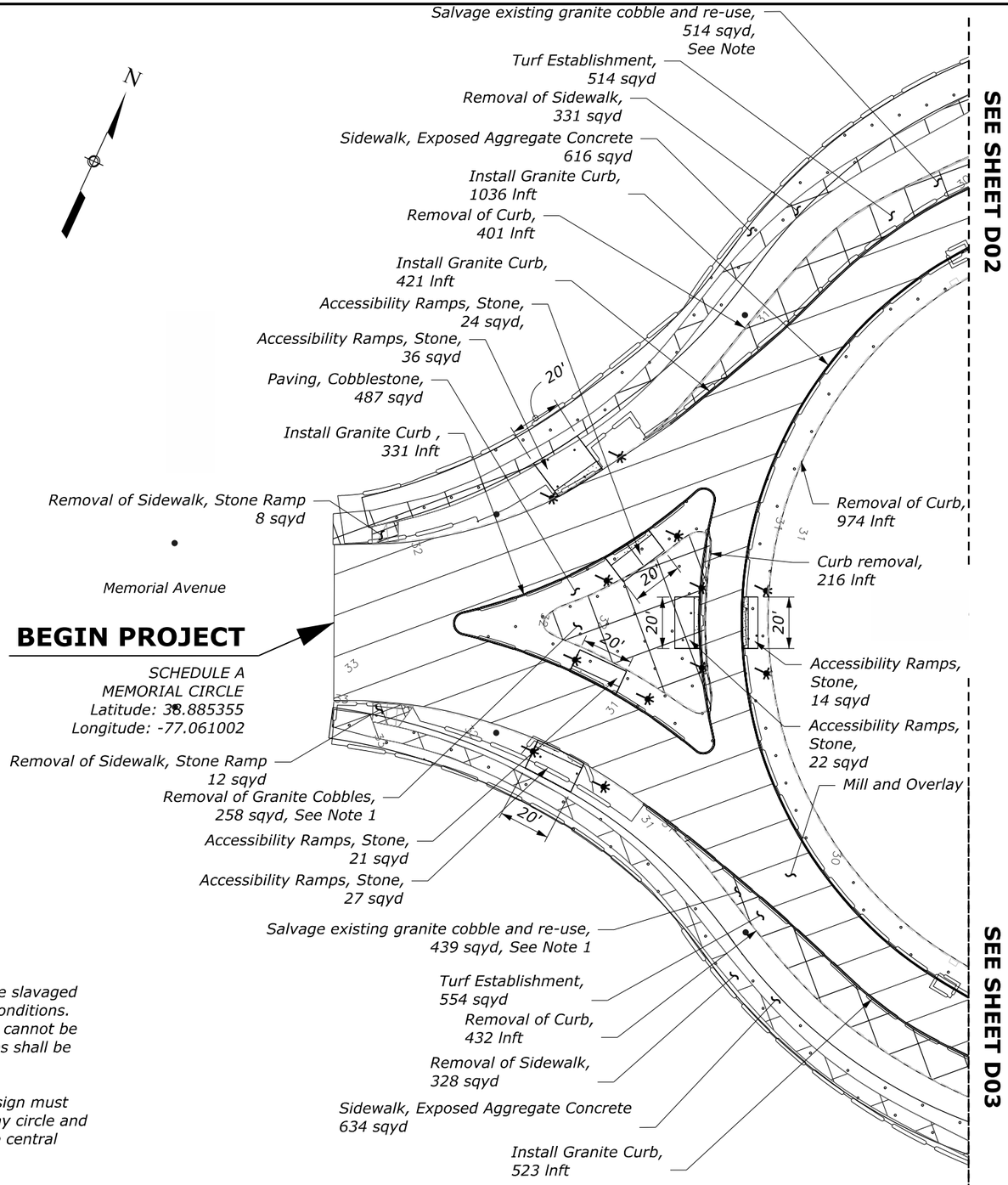
21 May 2026 7:31 PM

PROJECT	SHEET NUMBER
	D02



NOTES

1. *All existing granite cobbles are to be slavaged and re-used as shown in poposed conditions. If the cobbles are not salvagable or cannot be used in proposed conditions, cobbles shall be returned to the NPS.*

2. *Utility and drainage layouts and design must be coordinated between the roadway circle and any planned construction within the central island.*

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

0 25 50
SCALE IN FEET

CONSTRUCTION PLAN

MEMORIAL CIRCLE

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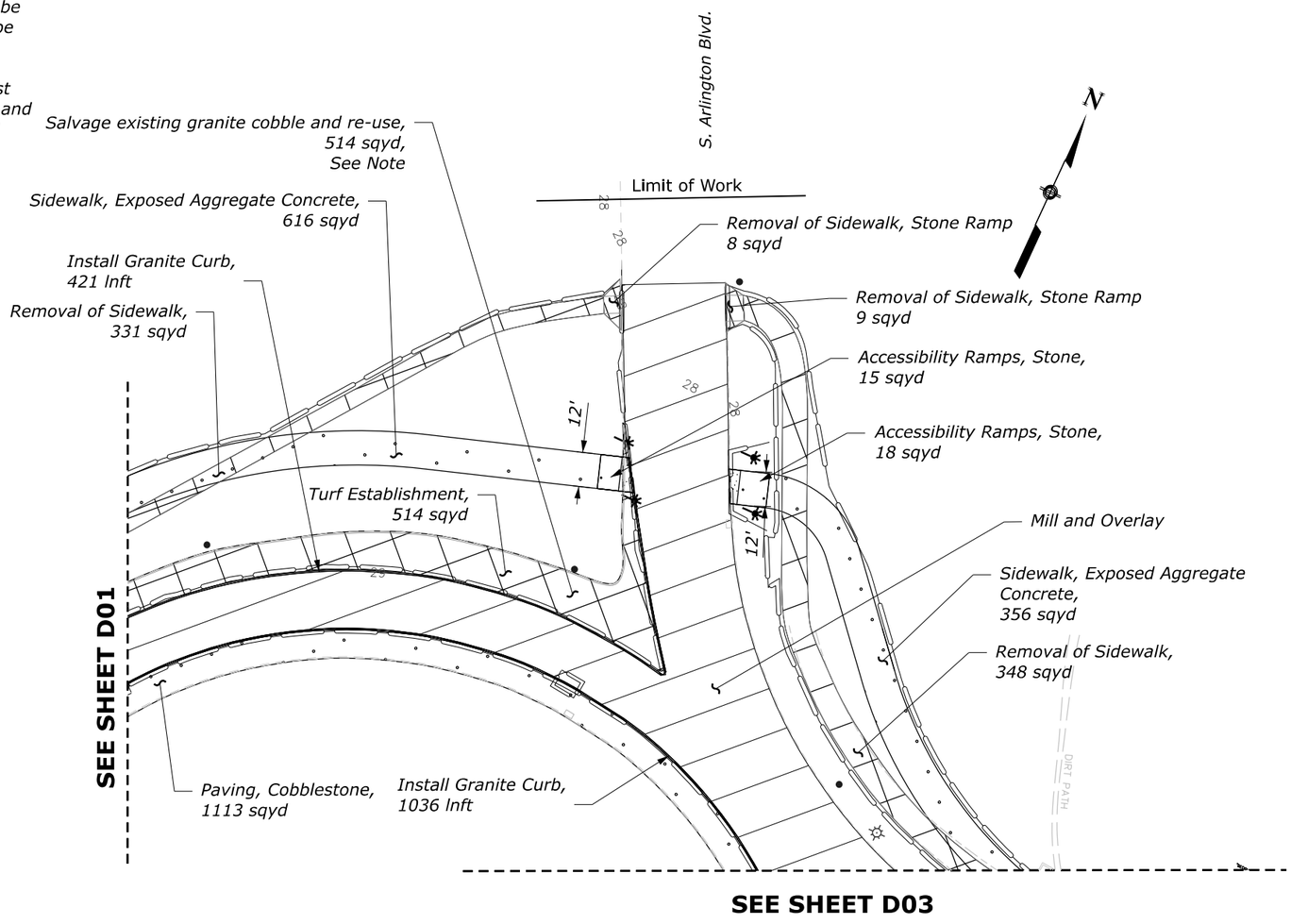
PROJECT	SHEET NUMBER
	D02

NOTES

1. *All existing granite cobbles are to be slavaged and re-used as shown in poposed conditions. If the cobbles are not salvagable or cannot be used in proposed conditions, cobbles shall be returned to the NPS.*

2. *Utility and drainage layouts and design must be coordinated between the roadway circle and any planned construction within the central island.*



NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

CONSTRUCTION PLAN

MEMORIAL CIRCLE

S. ARLINGTON BLVD

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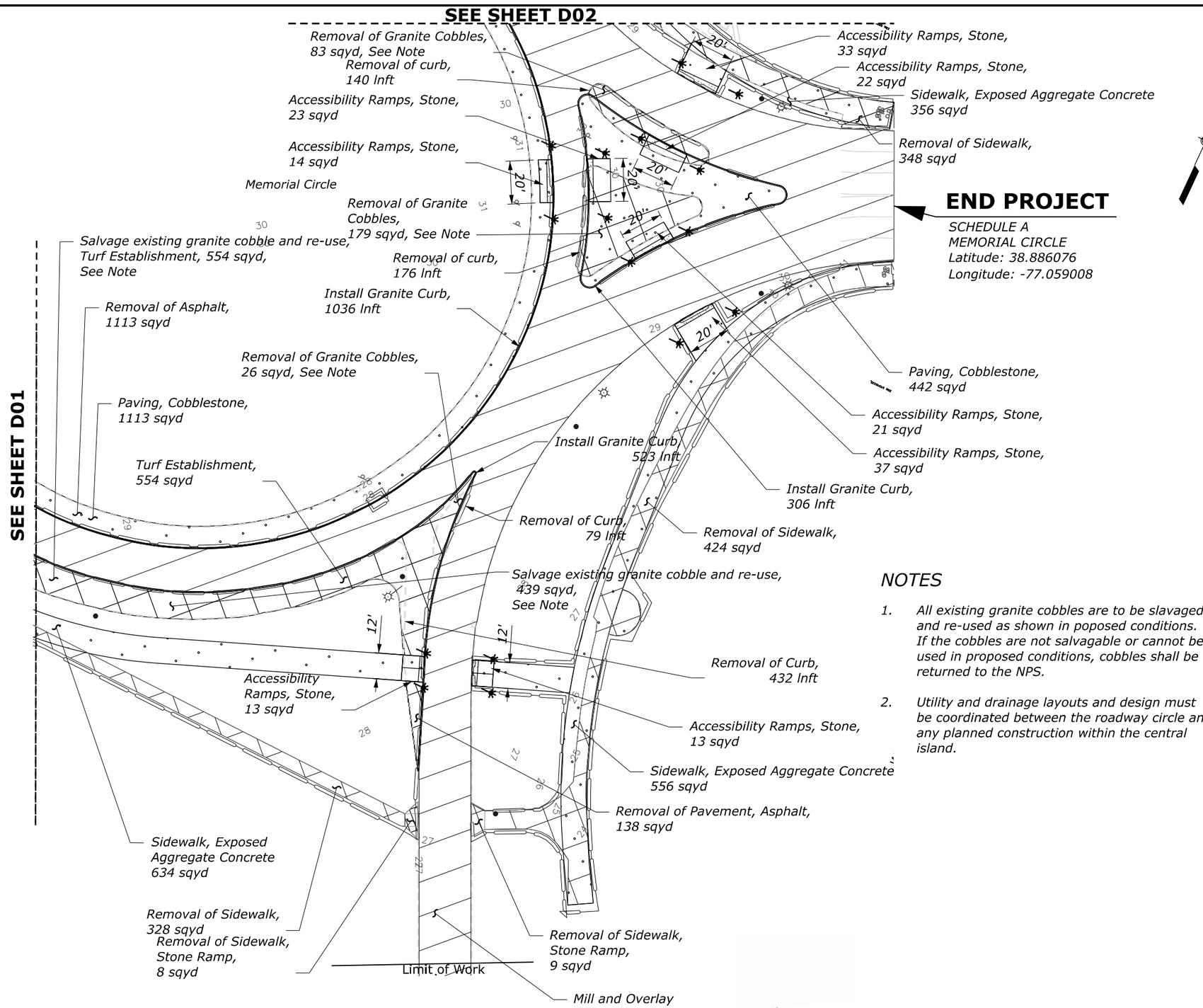
PROJECT	SHEET NUMBER
	D03



NOTES

1. All existing granite cobbles are to be slavaged and re-used as shown in poposed conditions. If the cobbles are not salvagable or cannot be used in proposed conditions, cobbles shall be returned to the NPS.
2. Utility and drainage layouts and design must be coordinated between the roadway circle and any planned construction within the central island.

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

CONSTRUCTION PLAN

MEMORIAL CIRCLE
WASHINGTON BLVD

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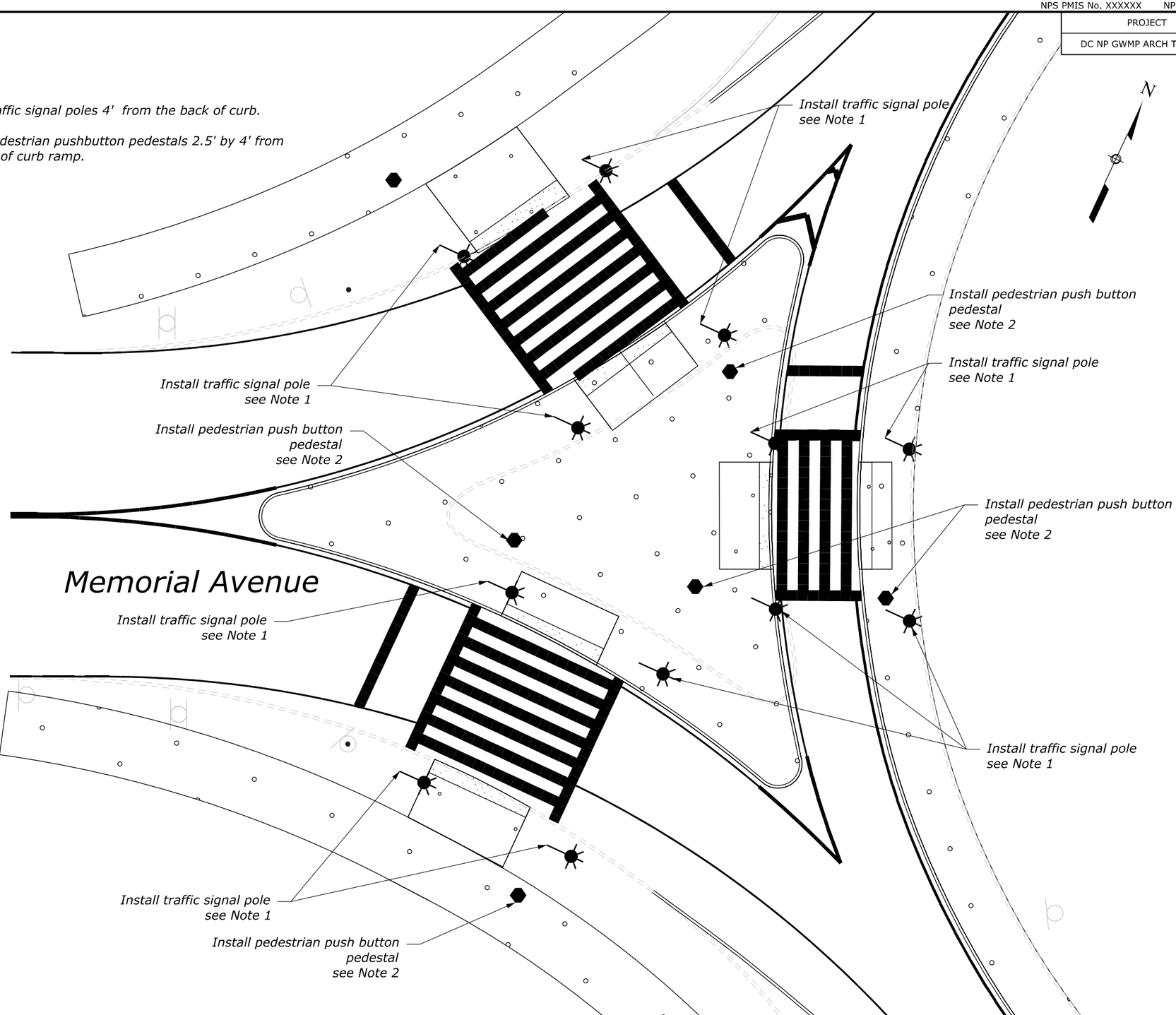
NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	H01

NOTES

1. *Install traffic signal poles 4' from the back of curb.*
2. *Install pedestrian pushbutton pedestals 2.5' by 4' from the edge of curb ramp.*



NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TRAFFIC SIGNAL PLAN

MEMORIAL AVENUE
MEMORIAL CIRCLE

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NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	H02

NOTES

1. Install traffic signal poles 4' from the back of curb.
2. Install pedestrian pushbutton pedestals 2.5' by 4' from the edge of curb ramp.

Install traffic signal pole see Note 1

Install pedestrian push button pedestal see Note 2

Install traffic signal pole see Note 1

Install pedestrian push button pedestal see Note 2

Install pedestrian push button pedestal see Note 2

Install traffic signal pole see Note 1

Install traffic signal pole see Note 1

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Install pedestrian push button pedestal see Note 2

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ONE WAY

Washington

Arlington Memorial Bridge

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NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TRAFFIC SIGNAL PLAN

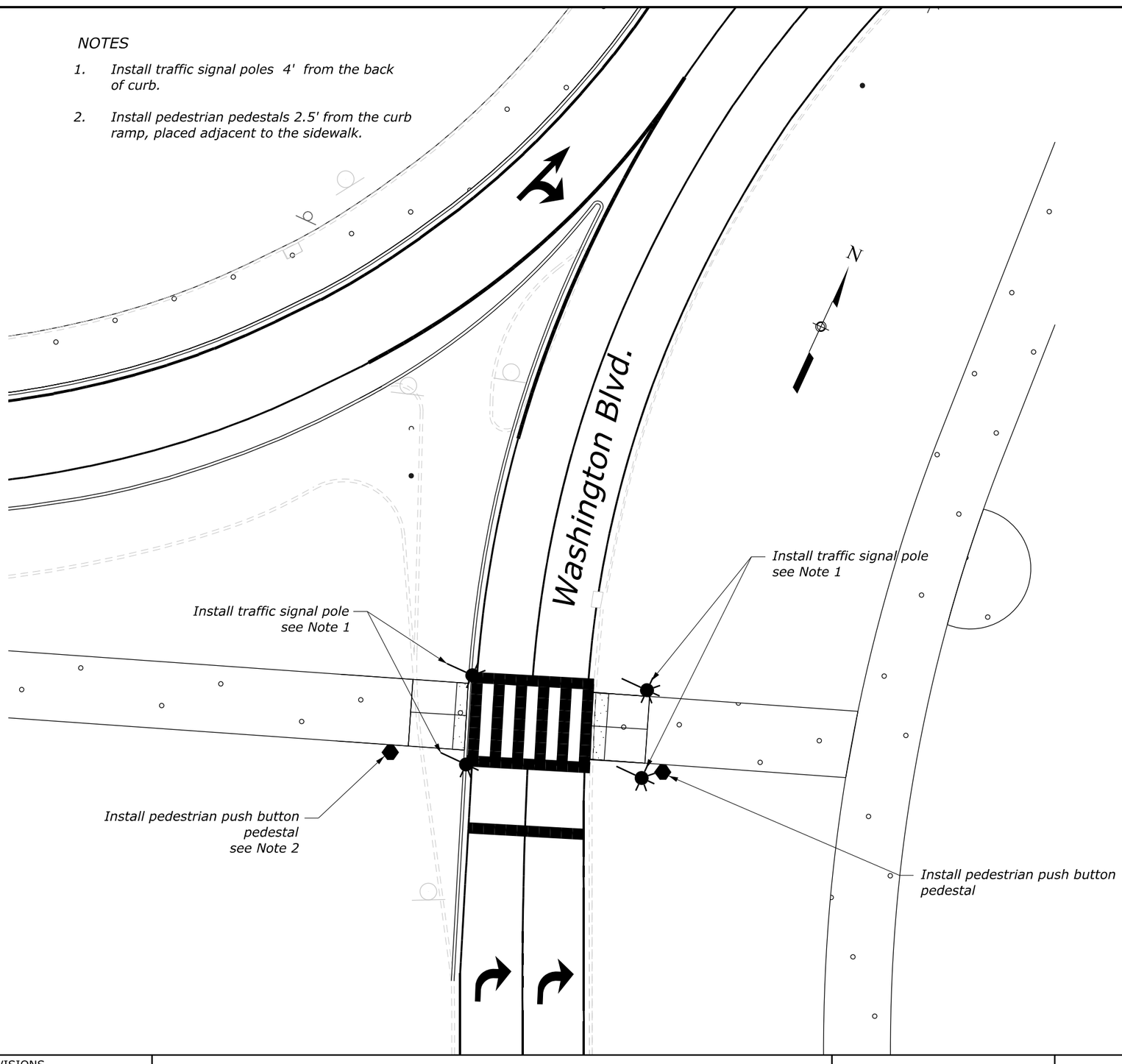
MEMORIAL CIRCLE
ARLINGTON MEMORIAL BRIDGE

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	H03

NOTES

1. *Install traffic signal poles 4' from the back of curb.*
2. *Install pedestrian pedestals 2.5' from the curb ramp, placed adjacent to the sidewalk.*



NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TRAFFIC SIGNAL PLAN

WASHINGTON BLVD

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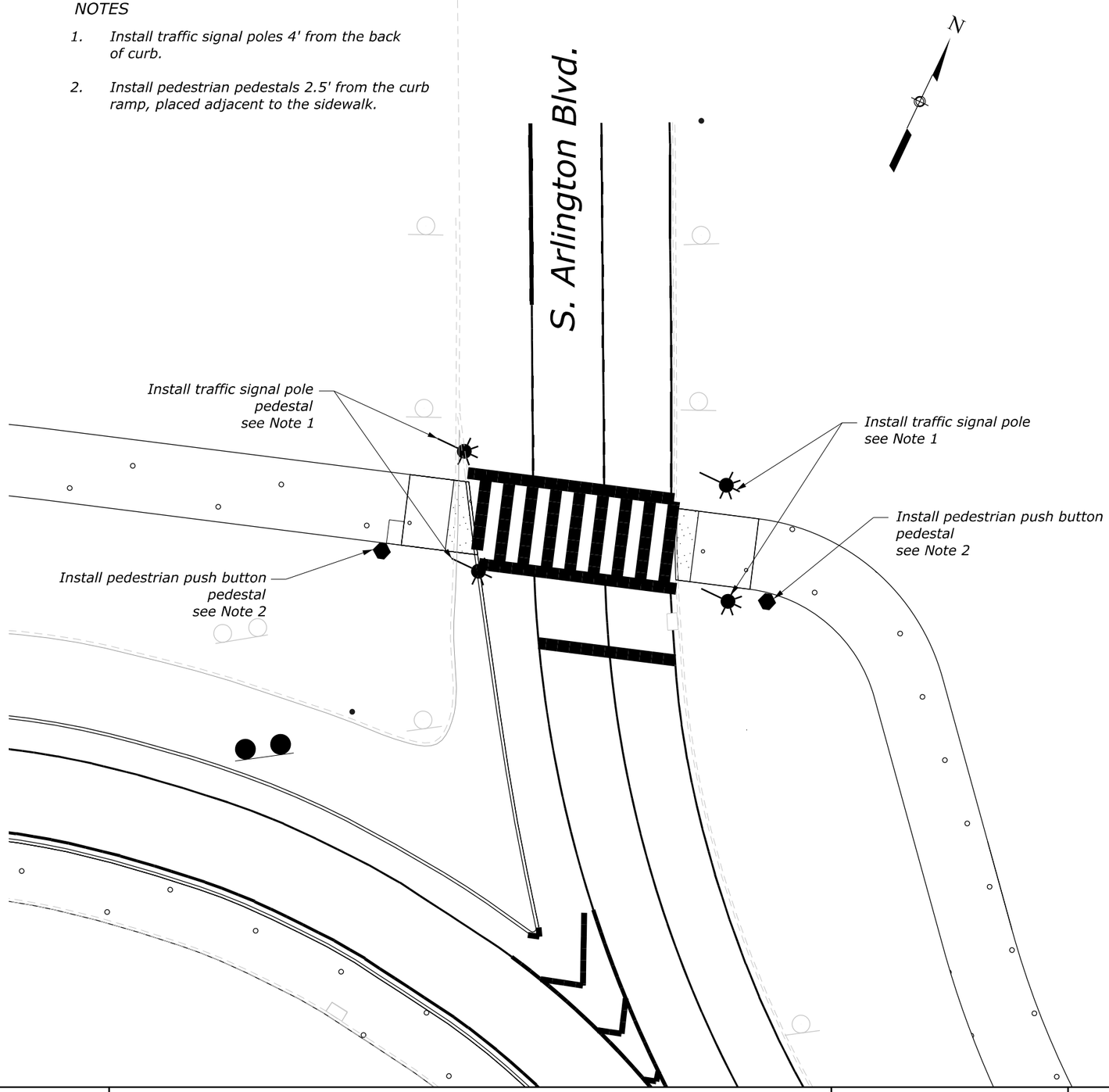
NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	H04

NOTES

1. *Install traffic signal poles 4' from the back of curb.*

2. *Install pedestrian pedestals 2.5' from the curb ramp, placed adjacent to the sidewalk.*



NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TRAFFIC SIGNAL PLAN

ARLINGTON BLVD

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PROJECT DESCRIPTION

This project consists of asphalt milling and overlay, safety improvements, signaling, pavement markings, and other miscellaneous work.

SOILS

Soil disturbing activities include: sidewalk demolition and construction, concrete island reconstruction and turf establishment.

Area of Disturbance:
Demolition and construction of sidewalk and ramps: 1.57 acres (68,449 sqft)
Construction of islands: 0.22 acres (9,733 sqft)
Construction of asphalt pavers: 0.24 acres (10,535 sqft)

Total: 2.03 acres (79,380 sqft)

The total area of soil disturbance for the project is approximately 2.03 acres. The receiving water is the Potomac River.

GENERAL NOTES AND GUIDELINES

Develop and implement a Spill Prevention Control and Countermeasures (SPCC) Plan following the requirements under 40 CFR 112. Report spills large enough to discharge surface waters to the National Response Center at 1-800-424-8802.

The Erosion and Sediment Control Narrative is intended to act as a guideline for preventing erosion and controlling sediment. The work consists of applying measures throughout the life of the project to control erosion and to minimize the sedimentation of rivers, creeks, and streams. Soil erosion control measures are also defined/outlined in the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-24) and the Special Contract Requirements. Install all erosion and sediment control devices in accordance with state and county requirements; as well as, Subsection 107.10 and the DOEE 2017 ESC Manual.

No construction access will be permitted through a wetland or a waterway.

Do not place excavated soil material adjacent to creeks, streams, or bodies of water in a manner that will cause it to be washed away by high water or runoff. Stabilize excess borrow material removed from the construction at the site of placement.

Do not allow any construction equipment to operate or access the down-slope side of the perimeter control measures.

Direct storm water to vegetated buffer areas and do not discharge directly into surface waters.

Preserve existing vegetation, trees, and shrubs when possible, and as directed by the CO. Do not disturb or clear vegetated areas outside the limits of work.

Protect all trees meeting the definition for a Special or Heritage trees under the DC Urban Forest Preservation Act, which applies to land maintained by the District of Columbia. Replace impacted trees in accordance with the National Capital Planning Commission Trees Preservation and Replacement Policy.

EROSION & SEDIMENT CONTROL CONSTRUCTION SEQUENCE

Before removal, patching and miliing operation, install erosion and sediment protection devices to ensure disturbed sediment does not leave the project site.

Employ temporary stabilization practices in incremental stages when necessary as construction proceeds. Upon completion of any ground disturbing activity, immediately stabilize the associated disturbed areas. Once installed, do not modify the type, size, or location of any control or practice without approval of the CO.

Prior to any clearing, grubbing, and excavation, install perimeter controls and temporary inlet protection at the locations specified in the plans or as directed by the CO. Install silt fence around the staging area prior to stockpiling and storing equipment.

Once finished grading is achieved and all construction operations in each work area have been completed and all upslope areas are stabilized and vegetation is established, remove all perimeter controls after obtaining approval from the CO.

The contractor must conduct operations and maintain the project site so as to minimize the creation and dispersion of dust. Use dust control throughout the work at the site.

The contractor must provide clean water, free from salt, oil, and other deleterious material to be used for on-site dust control.

EROSION & SEDIMENT CONTROL CONSTRUCTION SEQUENCE (CONTINUED)

The contractor shall supply water-spraying equipment capable of accessing all work areas.

The contractor shall implement strict dust control measures during the active construction periods on-site. These measures shall generally consist of water applications that shall be applied a minimum of once per day during dry weather or more often as required to prevent dust emissions.

For water application to undisturbed soil surfaces, the contractor shall:

Apply water with equipment consisting of tank, spray bar, and pump with discharge pressure guage.

Arrange spray bar height, nozzle spacing and spray pattern to provide complete coverage of ground with water.

Disperse water through the nozzles on spray bar at 20 psi (137.8 kPa) minimum. Keep areas damp without creating nuisance conditions such as ponding.

For water application to soil surfaces during during demolition and/or excavation, the contractor shall:

Apply water with equipment consisting of a tank, pump with discharge gauge, hoses and mist nozzles.

Locate tank and spraying equipment so that the entire excavation area can be misted without interfering with the demolition and/or excavation equipment or operations. Keep areas damp without creating nuisance conditions such as ponding.

Apply water spray in a manner to prevent movment of spray beyond the site boundaries.

MAINTENANCE AND INSPECTION PROCEDURES

Unless stated otherwise, construct and maintain all vegetated and structural erosion control practices according to Section 157, the details shown in the plans, and the individual permitting requirements. Inspect and maintain erosion control facilities daily during construction activities and immediately following a rain event. Repair and replace any damaged measures by the end of the day.

Inlet protection - Inspect weekly to ensure that inlet protection remains firmly in place and is not damaged or clogged. Clean clogged inlet protection or replace clogged or damaged inlet protection as necessary.

Fiber roll - Inspect weekly and after each runoff event. Remove sediment deposits from the fiber when it reaches half the height of the device. Replace damaged fiber roll within 24 hours of inspection.

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NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL NARRATIVE

Pollution Prevention Good Housekeeping Stamp Notes	
Fuels and Oils	On-site refueling will be conducted in a dedicated location away from access to surface waters. Install containment berms and, or secondary containments around refueling areas and storage tanks. Spills will be cleaned up immediately and contaminated soils disposed of in accordance with all federal and District of Columbia regulations. Petroleum products will be stored in clearly labeled tightly sealed containers. All vehicles on site will be monitored for leaks and receive regular preventive maintenance activities. Any asphalt substances used on site will be applied according to manufacturer's recommendations. Spill kits will be included with all fueling sources and maintenance activities.
Solid Waste	No solid materials shall be discharged to surface water. Solid materials including building materials, garbage and paint debris shall be cleaned up daily and deposited into dumpsters, which will be periodically removed and deposited into a landfill.
Abrasive Blasting	Water blasting, sandblasting, and other forms of abrasive blasting on painted surfaces built prior to 1978 may only be performed if an effective containment system prevents dispersal of paint debris.
Fertilizer	Fertilizers will be applied only in the minimum amounts recommended by the manufacturer, worked into the soil to limit exposure to stormwater, and stored in a covered shed. Partially used bags will be transferred to a sealable bin to avoid spills.
Paint and Other Chemicals	All paint containers and curing compounds will be tightly sealed and stored when not required for use. Excess paint will not be discharges to the storm sewers, but will be properly disposed of according to manufacturer's recommendations. Spray guns will be cleaned on a removable tarp. Chemicals used on site are kept in small quantities and in closed containers undercover and kept out of direct contact with stormwater. As with fuels and oils, any inadvertent spills will be cleaned up immediately and disposed of according federal and District of Columbia regulations.
Concrete	Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash on site, except in a specially designated concrete disposal area. Form release oil for decorative stone work will be applied over a pallet covered with an absorbent material to collect excess fluid. The absorbent material will be replaced and disposed of properly when saturated.
Water Testing	When testing and, or cleaning water supply lines, the discharge from the tested pipe will be collected and conveyed to a completed stormwater conveyance system for ultimate discharge into a stormwater best management practice (BMP).
Sanitary Waste	Portable lavatories located on site will be services on a regular basis by a contractor. Portable lavatories will be located in an upland area away from direct contact with surface waters. Any spills occurring during servicing will be cleaned immediately and contaminated soils disposed of in accordance with all federal and District of Columbia regulations.

DOEE SOIL EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES
1. Following initial land disturbance or re-disturbance, permanent or interim stabilization must be completed within seven (7) calendar days for the surfaces of all perimeter controls, dikes, swales, ditches, perimeter slopes, and slopes greater than three (3) horizontal to one (1) vertical (3:1); and fourteen (14) days for all other disturbed or graded areas on the project site. These requirements do not apply to areas shown on the plan that are used for material storage other than stockpiling, or for those areas on the plan where actual construction activities are being performed. Maintenance shall be performed as necessary so that stabilized areas continuously meet the appropriate requirements of the District of Columbia Standards and Specifications for Soil Erosion and Sediment Control (ESC). [21 DCMR § 542.9 (o)]
2. ESC measures shall be in place before and during land disturbance. [21 DCMR § 543.6]
3. Contact DOEE Inspection (202) 535-2977 to schedule a preconstruction meeting at least three (3) business days before the commencement of a land-disturbing activity. [21 DCMR § 503.7 (a)]
4. A copy of the approved plan set will be maintained at the construction site from the date that construction activities begin to the date of final stabilization and will be available for DOEE inspectors. [21 DCMR § 542.15]
5. ESC measures shall be in place to stabilize an exposed area as soon as practicable after construction activity has temporarily or permanently ceased but no later than fourteen (14) days following cessation, except that temporary or permanent stabilization shall be in place at the end of each day of underground utility work that is not contained within a larger development site. [21 DCMR § 543.7]
6. Stockpiled material being actively used during a phase of construction shall be protected against erosion by establishing and maintaining perimeter controls around the stockpile. [21 DCMR § 543.16 (a)]
7. Stockpiled material not being actively used or added to shall be stabilized with mulch, temporary vegetation, hydro-seed or plastic within fifteen (15) calendar days after its last use or addition. [21 DCMR § 543.16 (b)]
8. Fill material must be free of contamination levels of any pollutant that is, or may be considered to represent, a possible health hazard to the public or may be detrimental to surface or ground water quality, or which may cause damage to property or the drainage system. All fill material must be free of hazardous materials and comply with all applicable District and federal regulations.
9. Protect best management practices from sedimentation and other damage during construction for proper post construction operation. [21 DCMR § 543.5]
10. Request a DOEE inspector's approval after the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. [21 DCMR § 542.12 (a)]
11. Request a DOEE inspector's approval after final stabilization of the site and before the removal of erosion and sediment controls. [21 DCMR § 542.12 (b)]
12. Final stabilization means that all land-disturbing activities at the site have been completed and either of the following two criteria have been met: (1) a uniform (for example, evenly distributed, without large bare areas) perennial vegetative cover with a density of seventy percent (70%) of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or (2) equivalent permanent stabilization measures have been employed (such as the use of riprap, gabions, or geotextiles). [21 DCMR § 542.12 (b.1, b.2)]
13. Follow the requirements of the United States Environmental Protection Agency approved Stormwater Pollution Prevention Plan (SWPPP) and maintain a legible copy of this SWPPP on site. [21 DCMR § 543.10 (b)]
14. Post a sign that notifies the public to contact DOEE in the event of erosion or other pollution. The sign will be placed at each entrance to the site or as directed by the DOEE inspector. Each sign will be no less than 18 x 24 inches in size and made of materials that will withstand weather for the duration of the project. Lettering will be at least 1 inch in height and easily readable by the public from a distance of twelve feet (12 ft). The sign must direct the public, in substantially the following form: "To Report Erosion, Runoff, or Stormwater Pollution" and will provide the construction site address, DOEE's telephone number (202-535-2977), DOEE's e-mail address (IEB.scheduling@dc.gov), and the 311 mobile app heading ("Construction-Erosion Runoff"). [21 DCMR § 543.22]
If a site disturbs 5,000 square feet of land or greater, the ESC plan must contain the following statement:
15. A *Responsible Person* must be present or available while the site is in a land-disturbing phase. The *Responsible Person* is charged with being available to (a) inspect the site and its ESC measures at least once biweekly and after a rainfall event to identify and remedy each potential or actual erosion problem, (b) respond to each potential or actual erosion problem identified by construction personnel, and (c) speak on site with DOEE to remedy each potential or actual erosion problem. A *Responsible Person* shall be (a) licensed in the District of Columbia as a civil or geotechnical engineer, a land surveyor, or architect; or (b) certified through a training program that DOEE approves, including a course on erosion control provided by another jurisdiction or professional association. During construction, the *Responsible Person* shall keep on site proof of professional licensing or of successful completion of a DOEE-approved training program. [21 DCMR § 547]

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NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL NARRATIVE

VEGETATIVE STABILIZATION

There will be X.X acres in need of stabilization as a result of this project. Areas of turf establishment will be prepared with fertilizer, topsoil and mulch.

In accordance with Subsection 625.06, apply limestone and fertilizer at the following rates for the roadside turf area mix only:

Permanent Seeding Summary

	Seed Mixture				Fertilizer Rate (10-20-20)			Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	N	P_2O_5	K_2O	
1	Barlexas Tall Fescue	75.0	February 15 to Novemeber 15		45 lb/ac	90 lb/ac	90 lb/ac	2 ton/ac
2	Redcoat Tall Fescue	62.5	February 15 to Novemeber 15					
3	Chewing Fescue	62.5	February 15 to Novemeber 15					
4	Impact Kentucky Bluegrass	25.0	February 15 to Novemeber 15		(1.0 lb/ 1,000 ft^2)	(2.0 lb/ 1,000 ft^2)	(2.0 lb/ 1,000 ft^2)	(90 lb/ 1,000 ft^2)
5	Catalina Perennial Ryegrass	25.0	February 15 to Novemeber 15					

Permanent Seeding Summary

	Seed Mixture				Fertilizer Rate (10-20-20)			Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	N	P_2O_5	K_2O	
1	Barlexas Tall Fescue	75.0	November 16 to February 14		45 lb/ac	90 lb/ac	90 lb/ac	2 ton/ac
2	Redcoat Tall Fescue	62.5	November 16 to February 14					
3	Chewing Fescue	62.5	November 16 to February 14					
4	Impact Kentucky Bluegrass	25.0	November 16 to February 14		(1.0 lb/ 1,000 ft^2)	(2.0 lb/ 1,000 ft^2)	(2.0 lb/ 1,000 ft^2)	(90 lb/ 1,000 ft^2)
5	Catalina Perennial Ryegrass	25.0	November 16 to February 14					

Temporary Seeding Summary

	Seed Mixture				Fertilizer Rate (10-20-20)	Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths		
1	Barlexas Tall Fescue	75.0	February 15 to Novemeber 15		436 lb/ac	2 ton/ac
2	Redcoat Tall Fescue	62.5	February 15 to Novemeber 15			
3	Chewing Fescue	62.5	February 15 to Novemeber 15			
4	Impact Kentucky Bluegrass	25.0	February 15 to Novemeber 15		(10 lb/ 1,000 ft^2)	(90 lb/ 1,000 ft^2)
5	Catalina Perennial Ryegrass	25.0	February 15 to Novemeber 15			

Temporary Seeding Summary

	Seed Mixture				Fertilizer Rate (10-20-20)	Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths		
1	Barlexas Tall Fescue	75.0	November 16 to February 14		436 lb/ac	2 ton/ac
2	Redcoat Tall Fescue	62.5	November 16 to February 14			
3	Chewing Fescue	62.5	November 16 to February 14			
4	Impact Kentucky Bluegrass	25.0	November 16 to February 14		(10 lb/ 1,000 ft^2)	(90 lb/ 1,000 ft^2)
5	Catalina Perennial Ryegrass	25.0	November 16 to February 14			

NO.	DATE	BY	REVISIONS

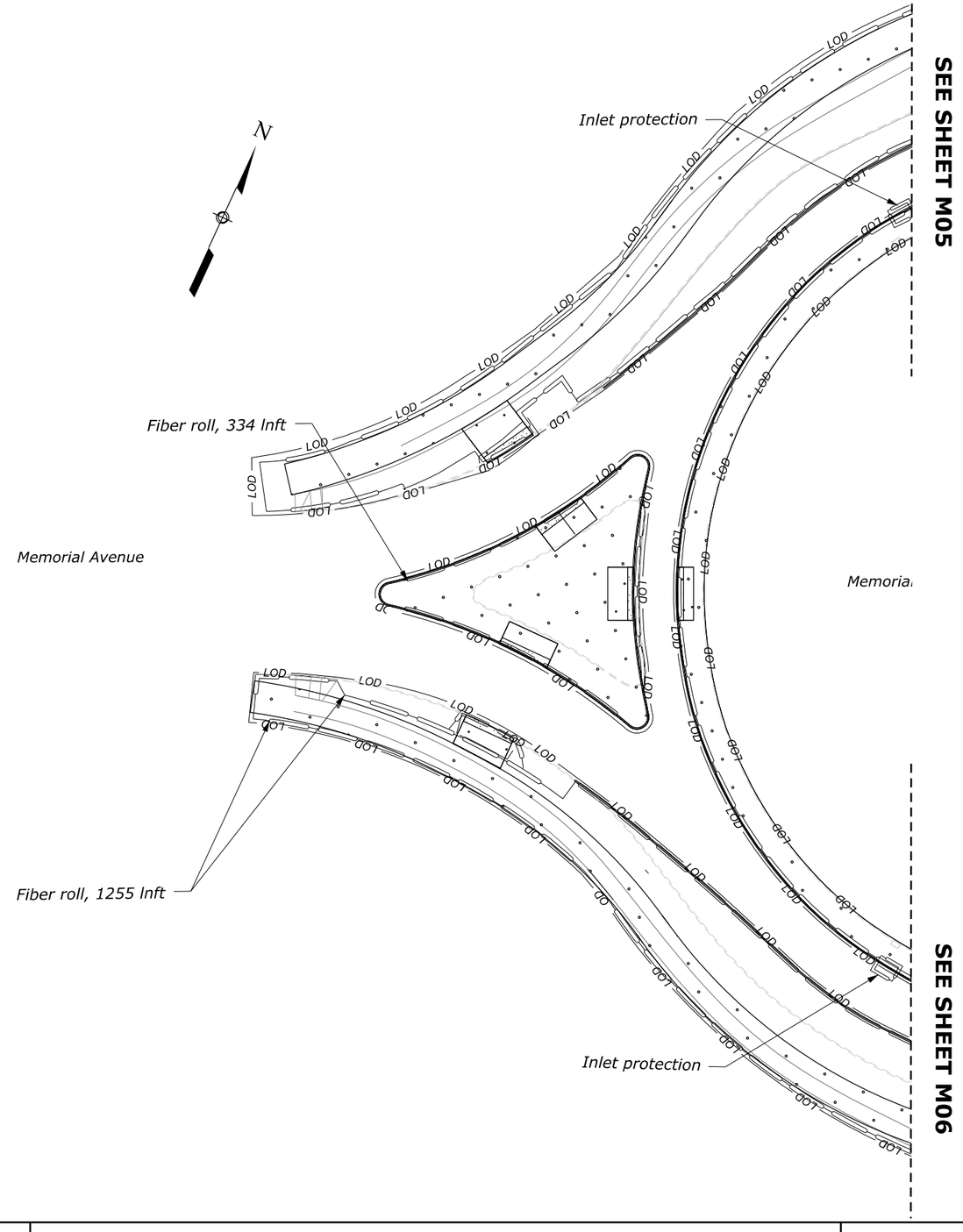
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL NARRATIVE

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	M04



SEE SHEET M05

SEE SHEET M06

NO.	DATE	BY	REVISIONS

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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL PLAN

MEMORIAL CIRCLE

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PROJECT	SHEET NUMBER
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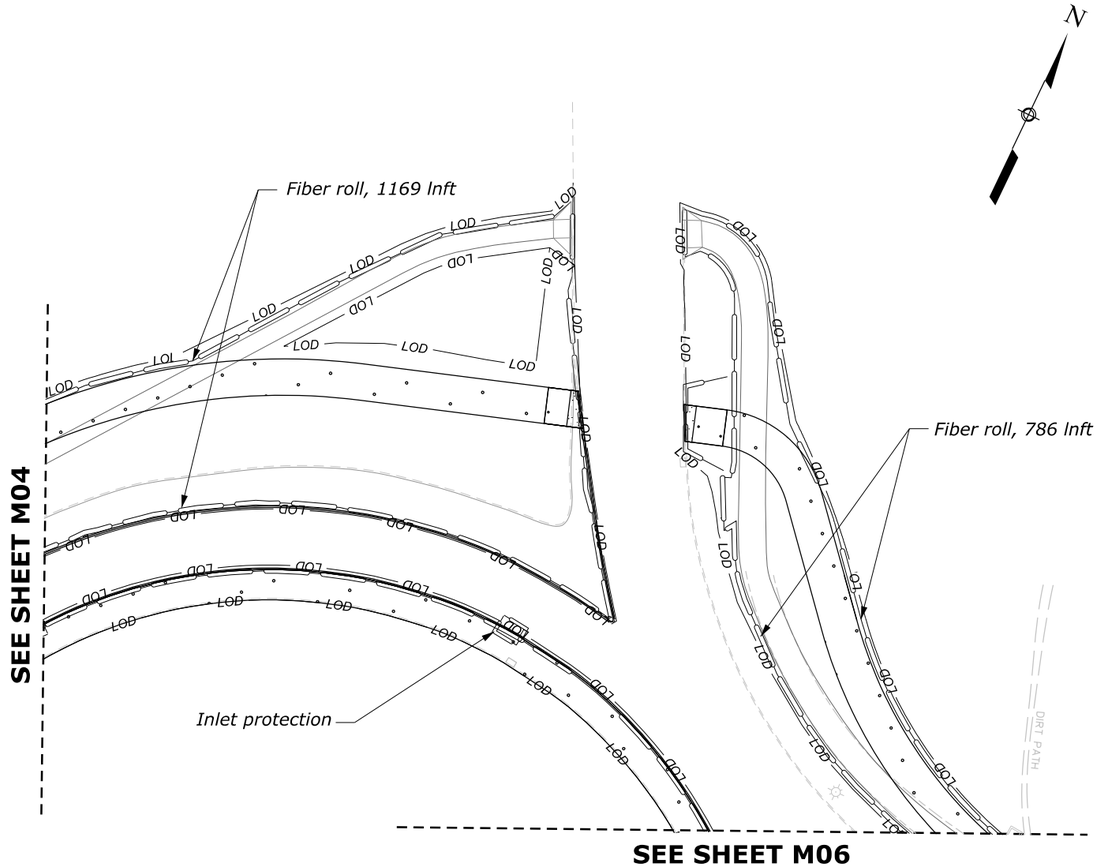

NO.	DATE	BY	REVISIONS

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FEDERAL HIGHWAY ADMINISTRATION
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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL PLAN

MEMORIAL CIRCLE
S. ARLINGTON BLVD

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NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
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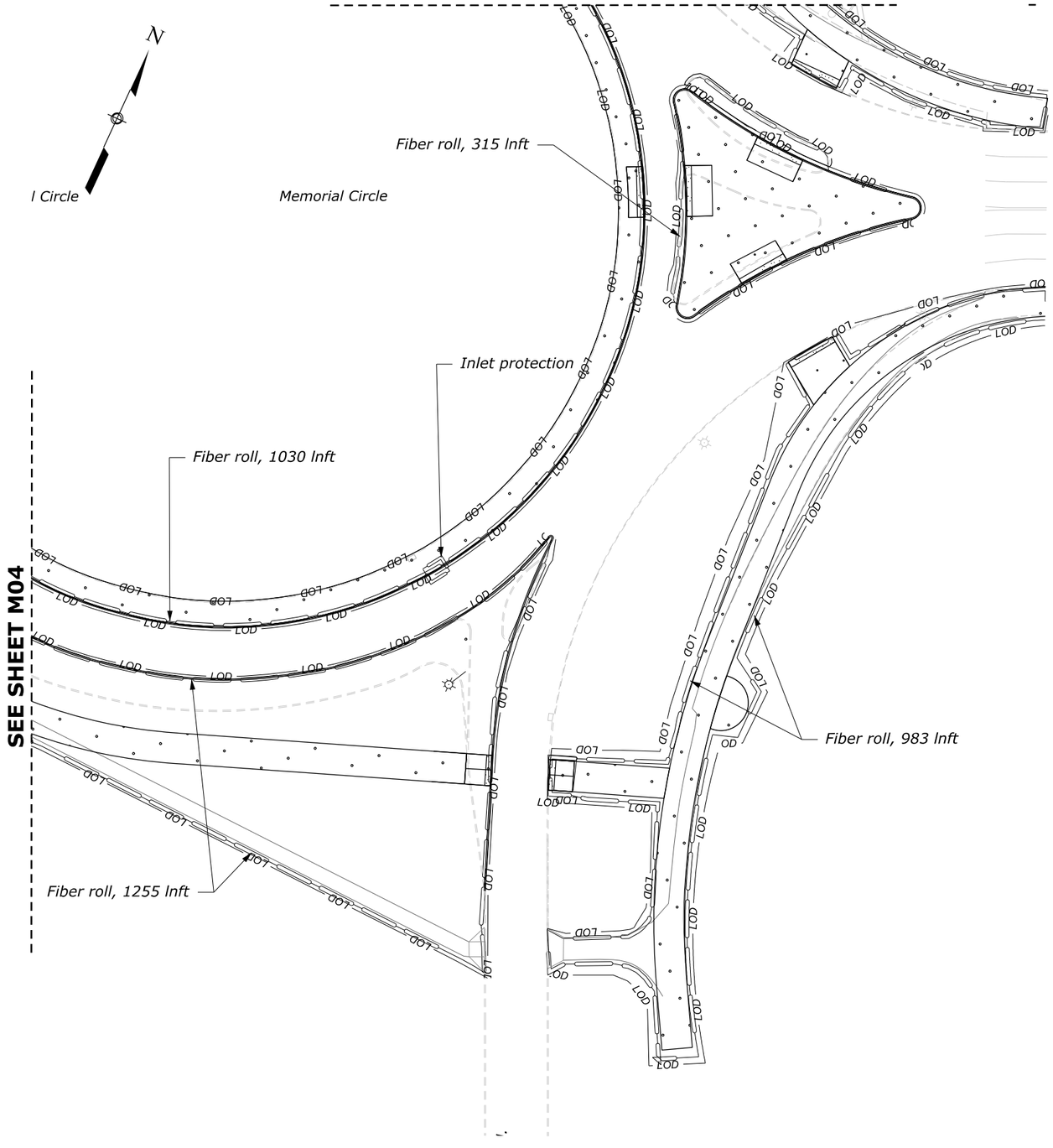

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21 May 2026 6:20 PM

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GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL PLAN

MEMORIAL CIRCLE
WASHINGTON BLVD

TRAFFIC CONTROL PLAN GENERAL NOTES:

1. *The Traffic Control Plans have been designed in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), latest edition, and Section 635 of the Eastern Federal Lands Highway Division (EFLHD) detail drawings.*

2. *Traffic control signing, devices, workzone and overall set up is located within National Park Service (NPS)-owned and maintained roadways. If applicable, coordinate with DDOT, VDOT, Arlington County or other local agencies for work taking place along roadways under their respective jurisdiction. If applicable, all lane closure hours on VDOT-maintained roadways shall be in accordance with the Lane Closures in NOVA District Memorandum, dated February, 2024. If applicable, all work along DDOT-maintained roadways shall be in accordance with the DDOT Design and Engineering Manual (2023) and the DDOT Work Zone Temporary Traffic Control Manual (2006).*

3. *The allowable lane closure hours apply to the Memorial Circle Safety Improvements.*

   (a) *Maintain a minimum of one lane of traffic in each direction from 9:00 PM to 5:00 AM and during non-rush hours.*
   (b) *During rush hours, maintain existing number of lanes of traffic.*
   (c) *Lane closures must be scheduled to not conflict with local events.*
   (d) *Definition of Rush Hours and Night Hours*
   EB Morning Rush Hours: 5:00 AM to 9:30 AM
   WB Evening Rush Hours: 2:30 PM to 7:00 PM
   Night Hours: 9:00 PM to 5:00 AM

4. *Take all appropriate measures to ensure that adequate sight distances are provided during construction operations. Traffic control devices, signs, construction equipment, material storage or any other obstacle should not interfere with sight distances.*

5. *Do not store equipment and/or materials within the established clear zone unless positive protection is provided.*

6. *Do not perform any work, park vehicles or equipment, or store materials in buffer areas of lane closures.*

7. *Place signs as shown in the Traffic Control Plans. Temporary sign locations can be adjusted in the field so that they do not conflict with permanent existing signs or other existing features, such as sidewalk ramps, railing or light poles. Maintain all existing permanent signs during construction, unless otherwise noted in each stage of the Traffic Control Plans.*

8. *The Temporary Traffic Control Plans depict the major traffic control devices and safety measures required for construction. The daily control of traffic including placement, maintenance, and removal of traffic control devices is the Contractor's responsibility.*

9. *Implement additional measures as needed to provide separation between pedestrians, bicycles, and the work zone.*

10. *Remove traffic control devices no longer needed at the end of each shift. Cover signs that conflict with the current traffic set-up.*

11. *Coordinate traffic control signing and devices as needed with all other work zones in the vicinity, and make adjustments as necessary.*

TRANSPORTATION OPERATIONS PLAN:

The following is a list of local emergency contact agencies:

Fire and Emergency Medical Services:	*911*
US Park Police:	*202-619-7500*
Virginia State Police:	*703-803-0026*
Arlington County Police:	*703-558-2222*
Arlington County Public Safety Communications and Emergency Management:	*703-228-7935*
Arlington County Transportation:	*703-228-5000*
Metropolitan Area Transportation Operations Coordination (MATOC):	*301-405-7841*
DDOT Transportation Management Center:	*202-673-6813*
VDOT Northern Region Operations Center:	*703-877-3401*
MDOT Operations Center:	*410-582-5605*
US Department of Homeland Security:	*202-282-8000*

For utility company contact information, call 811.

POSTED SPEED LIMITS TABLE

Road Name	*Posted Speed Limit (mph)*
Arlington Memorial Bridge	*30*
Memorial Avenue	*20-30*
Washington Boulevard	*25-40*
George Washington Memorial Parkway	*50*
GWMP Distributor Ramp at Memorial Circle	*30*
Washington Blvd to Memorial Circle	*30-45*
Washington Blvd from Memorial Circle to US Hwy 50	*30-40*
Washington Blvd Turnaround	*30*

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21 May 2026 6:17 PM

NO.	DATE	BY	REVISIONS

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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL NARRATIVE

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
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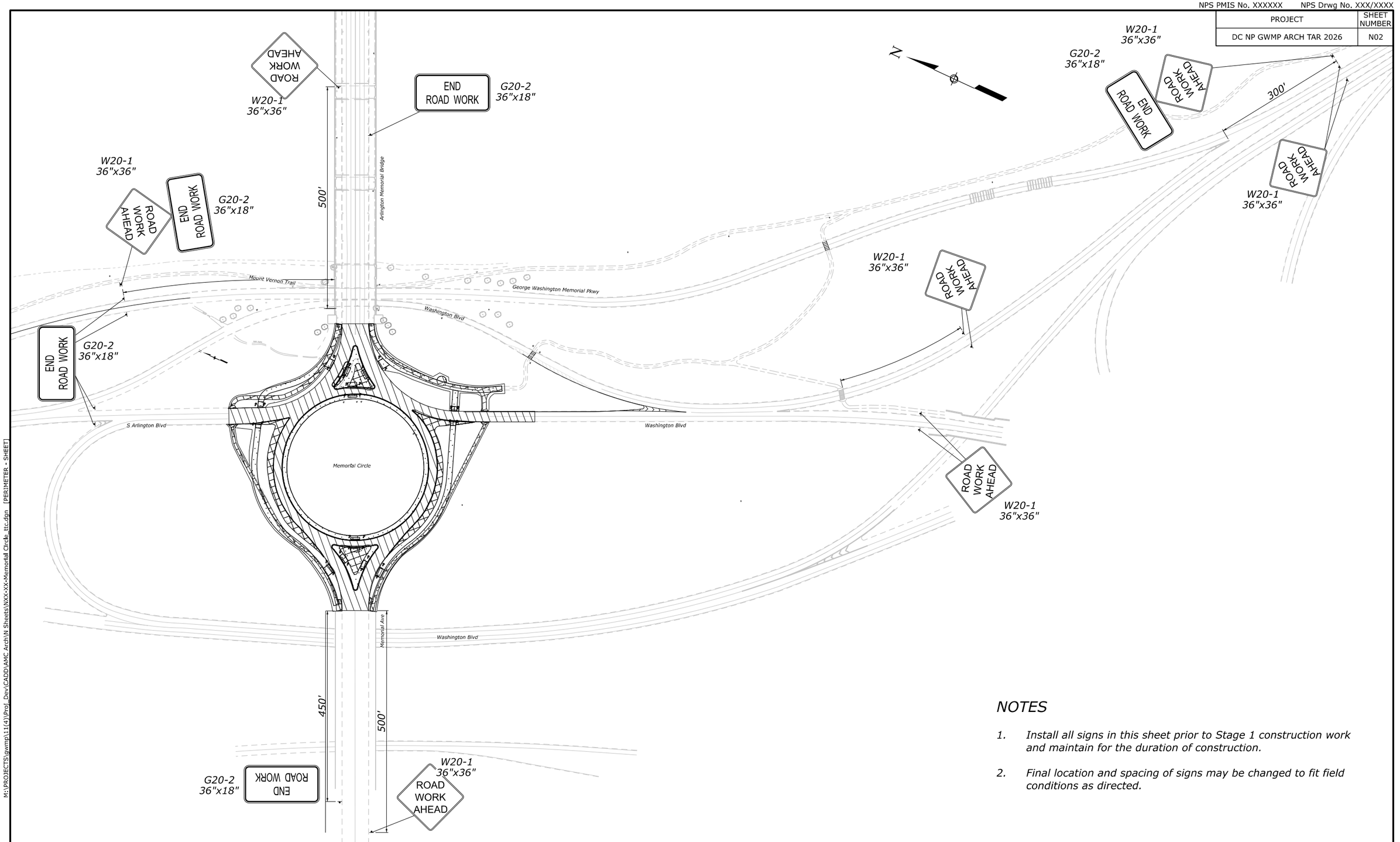

NOTES

1. *Install all signs in this sheet prior to Stage 1 construction work and maintain for the duration of construction.*
2. *Final location and spacing of signs may be changed to fit field conditions as directed.*

NO.	DATE	BY	REVISIONS

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OFFICE OF FEDERAL LANDS HIGHWAY

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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

PERIMETER PLAN

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21 May 2026 6:19 PM

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PROJECT	SHEET NUMBER
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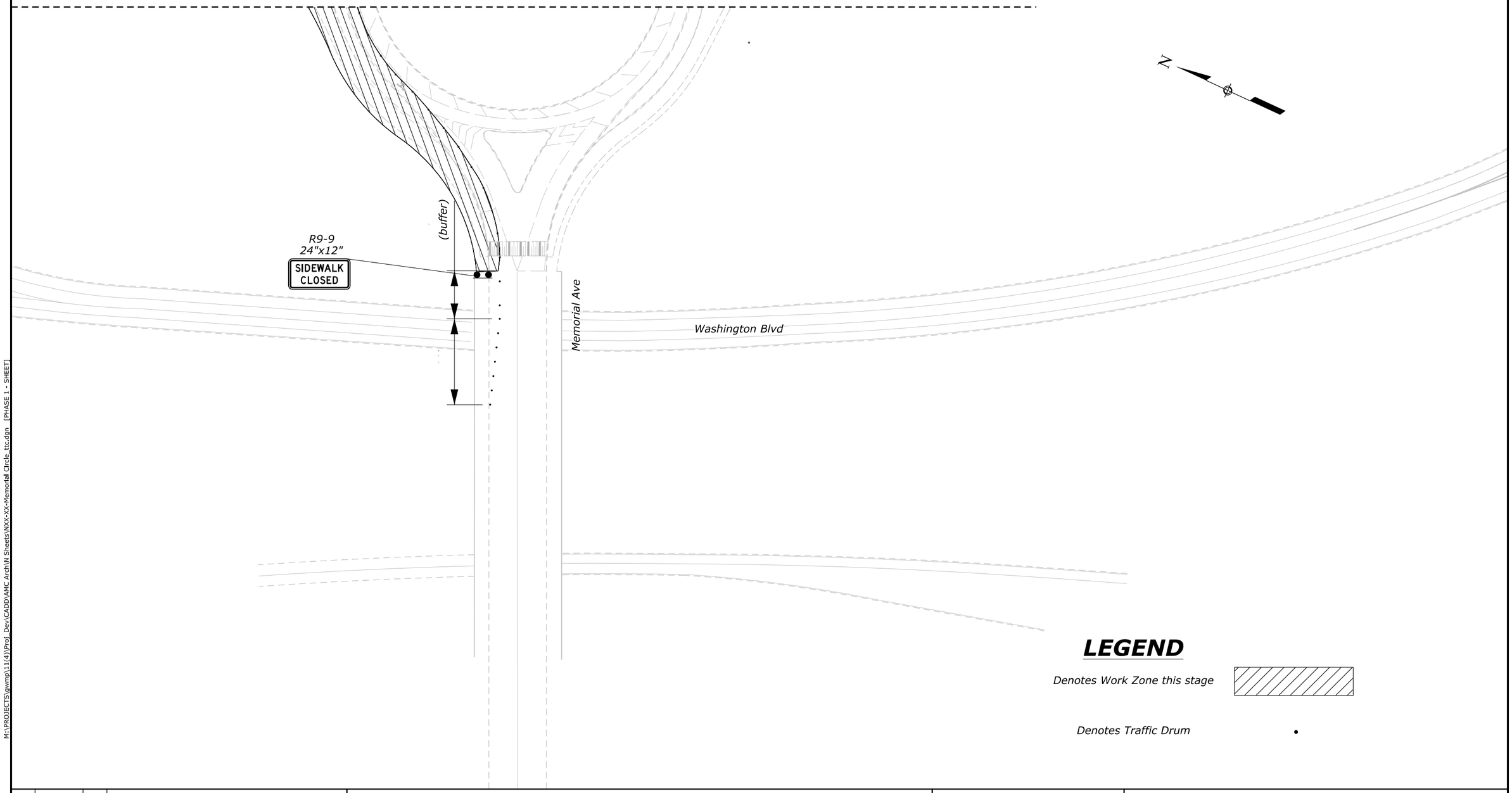
SEE SHEET N05



LEGEND

Denotes Work Zone this stage

Denotes Traffic Drum

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 1

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PROJECT	SHEET NUMBER
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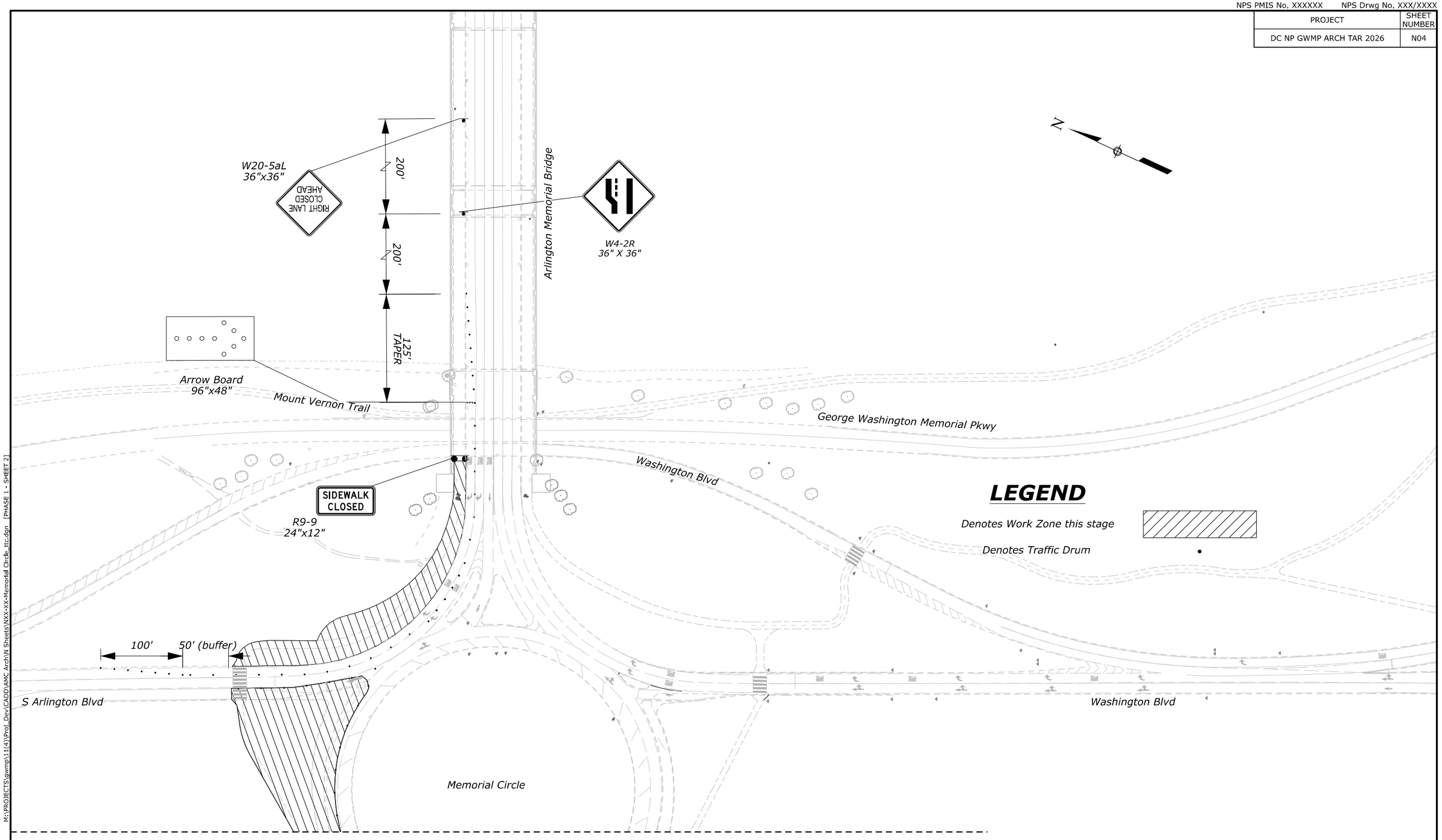

SEE SHEET N04

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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 1

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21 May 2026 6:19 PM

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PROJECT	SHEET NUMBER
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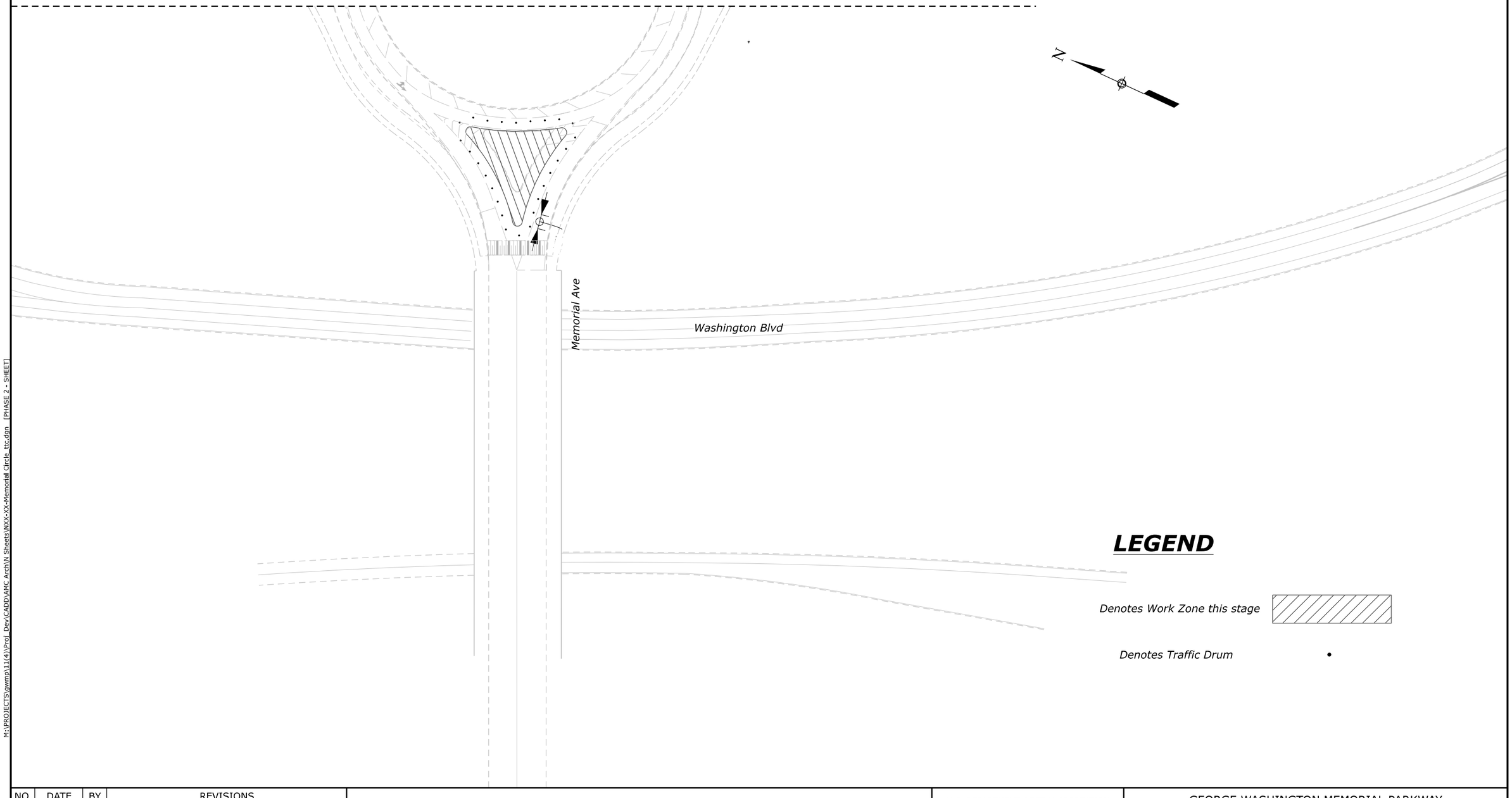
SEE SHEET N07



LEGEND

Denotes Work Zone this stage

Denotes Traffic Drum

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 2

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PROJECT	SHEET NUMBER
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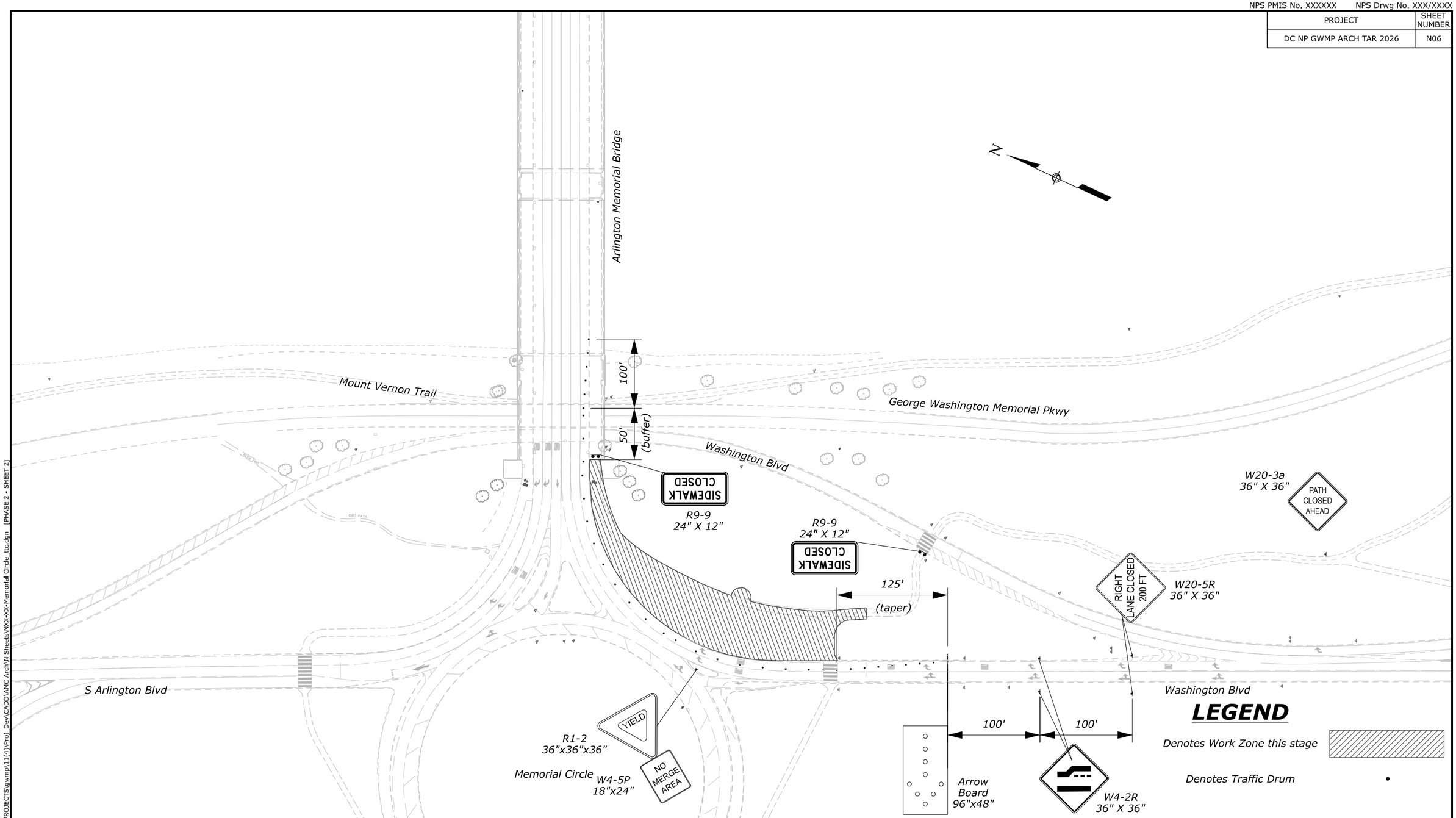

SEE SHEET N06

NO.	DATE	BY	REVISIONS

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OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 2

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PROJECT	SHEET NUMBER
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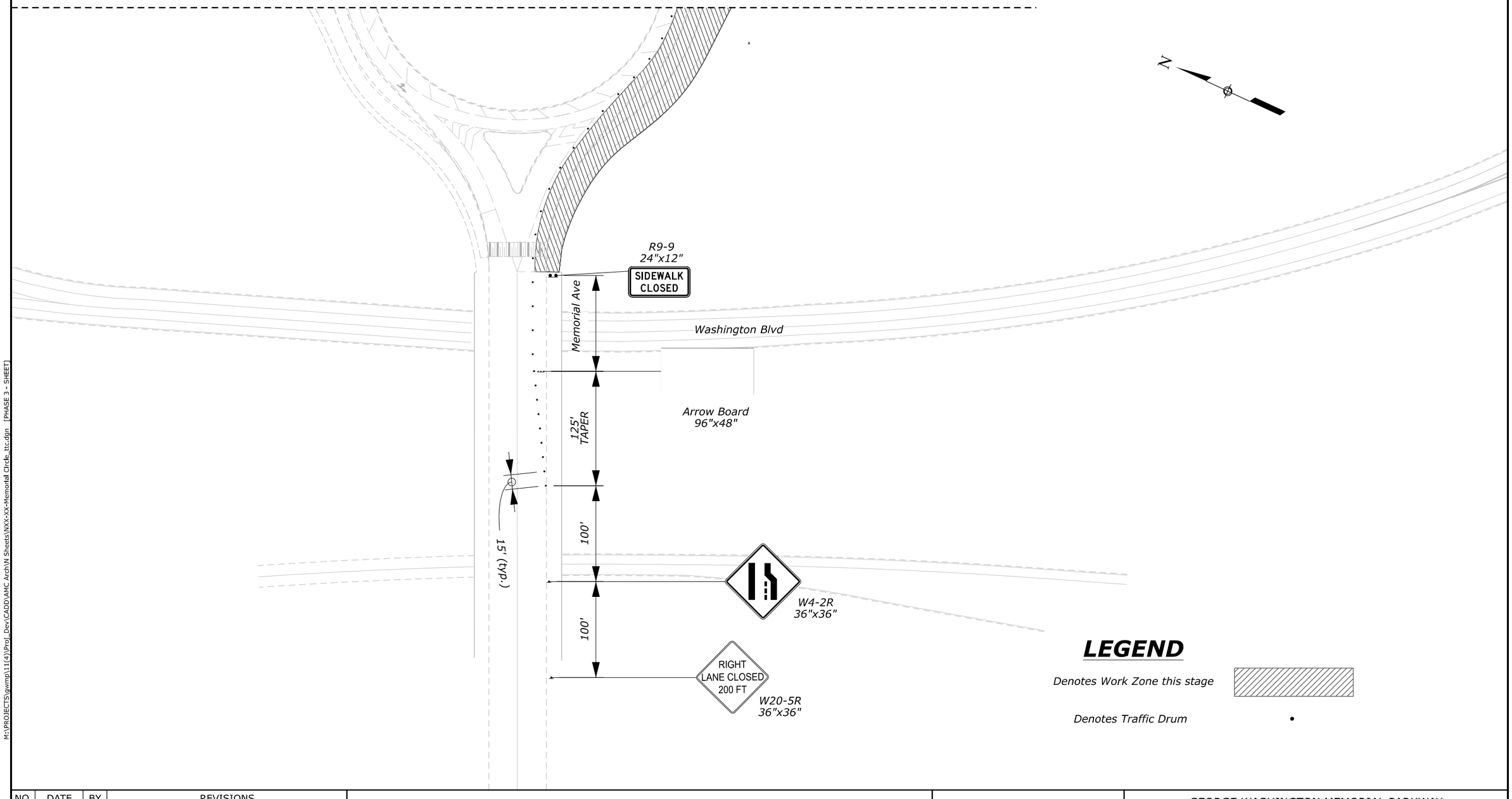
SEE SHEET N09



LEGEND

Denotes Work Zone this stage

Denotes Traffic Drum •

NO.	DATE	BY	REVISIONS

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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 3

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21 May 2026 6:19 PM

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N08

W20-5aL
36"x36"

2 LEFT LANES CLOSED AHEAD

100'

100'

125'
TAPER

Arrow Board
96"x48"

Arlington Memorial Bridge

W4-2L
36" X 36"

N

Mount Vernon Trail

George Washington Memorial Pkwy

Washington Blvd

DIRT PATH

LEGEND

Denotes Work Zone this stage

Denotes Traffic Drum

R9-9
24"x12"

SIDEWALK CLOSED

125'
TAPER

S Arlington Blvd

Arrow Board
96"x48"

Washington Blvd

200'

W4-2L
36"x36"

LEFT LANE CLOSED AHEAD

W20-5L
36"x36"

Memorial Circle

SEE SHEET N08

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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 3

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PROJECT	SHEET NUMBER
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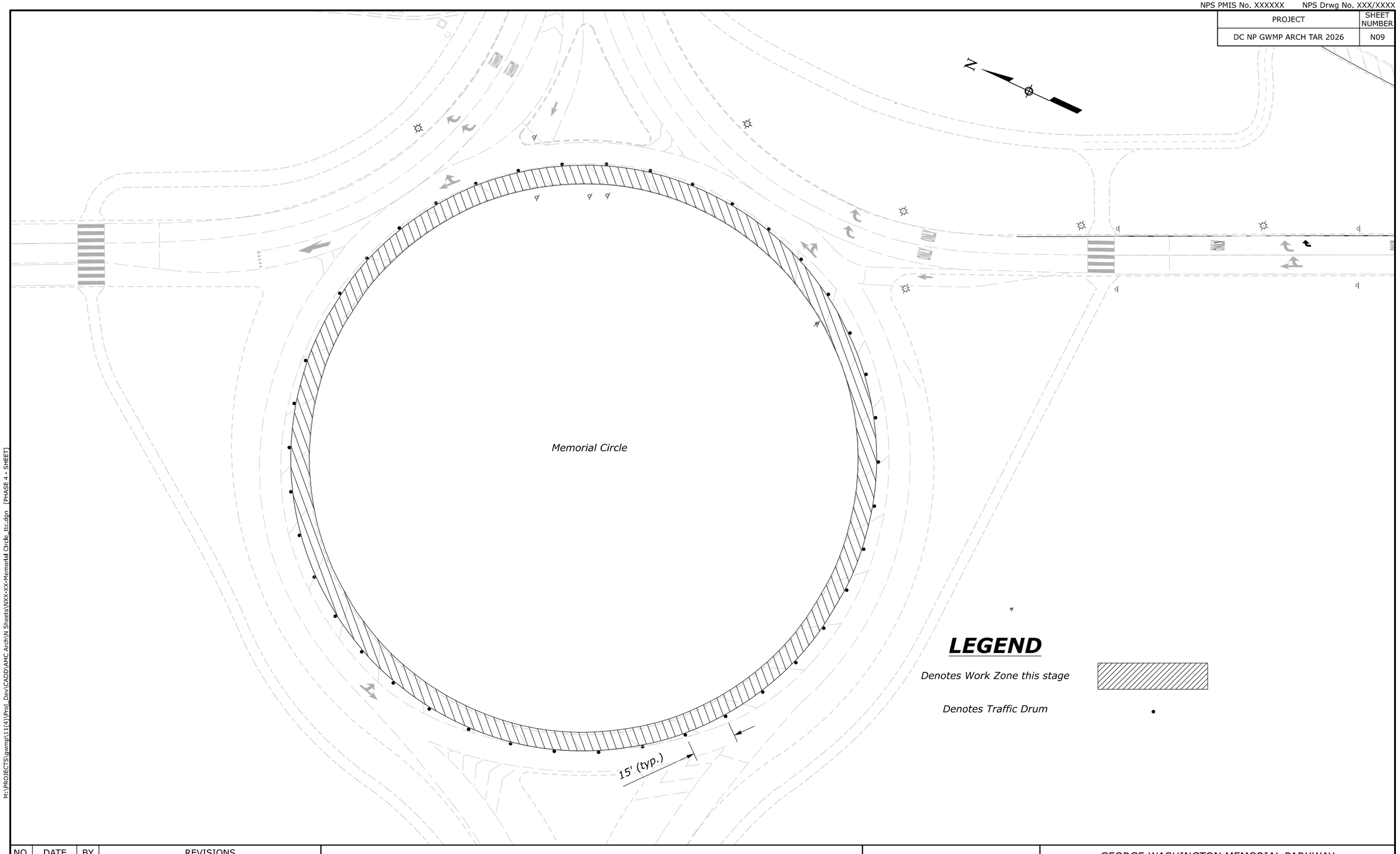

LEGEND

Denotes Work Zone this stage

Denotes Traffic Drum

NO.	DATE	BY	REVISIONS

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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 4

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21 May 2026 6:19 PM

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N10

W20-5L 36"x36"

W4-2L 36"x36"

200'

200'

125' TAPER

Mount Vernon Trail

GEORGE WASHINGTON MEMORIAL PKWY

WASHINGTON BLVD

DIRT PATH

DIRT PATH

Arlington

George Washington Memorial Pkwy

Washington Blvd

W4-3 36"x36"

N

END DETOUR

M4-8a 24"x18"

Place temporary crosswalk

S Arlington Blvd

Rapid Flashing Beacon

W11-15 36"x36"

W16-7PL 21"x16"

STATE LAW STOP FOR IN CROSSWALK

R1-6e 12"x36" (double-sided)

Rapid Flashing Beacon

Memorial Circle

W11-15 36"x36"

W16-7PR 21"x16"

M4-9aL 30"x24"

DETOUR

M4-9aR 30"x24"

DETOUR

Construct temporary aggregate path

W6-3 36"x36"

Place temporary pavement markings, white, 293 lnft

Place temporary pavement markings, yellow, 2756 lnft

350'

Washington Blvd

ROAD CLOSED

R9-9 24"x12"

M4-9aR 30"x24"

SIDEWALK CLOSED

DETOUR

ARLINGTON MEMORIAL CIRCLE CLOSED AHEAD

W20-3 (mod.) 36"x36"

R11-2 48"x30" mounted on Type 3 barricade

W1-6R 48"x24"

R9-9 24"x12"

M4-9aR 30"x24" mounted on Type 3 barricade

R11-2 48"x30" mounted on Type 3 barricade

W1-6L 48"x24"

ROAD CLOSED

SEE SHEET N12

LEGEND

Type 3 barricade

Traffic Drum

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

0 50 100
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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE CONSTRUCTION OF THE ARCH

DETOUR ROUTE

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21 May 2026 6:19 PM

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PROJECT	SHEET NUMBER
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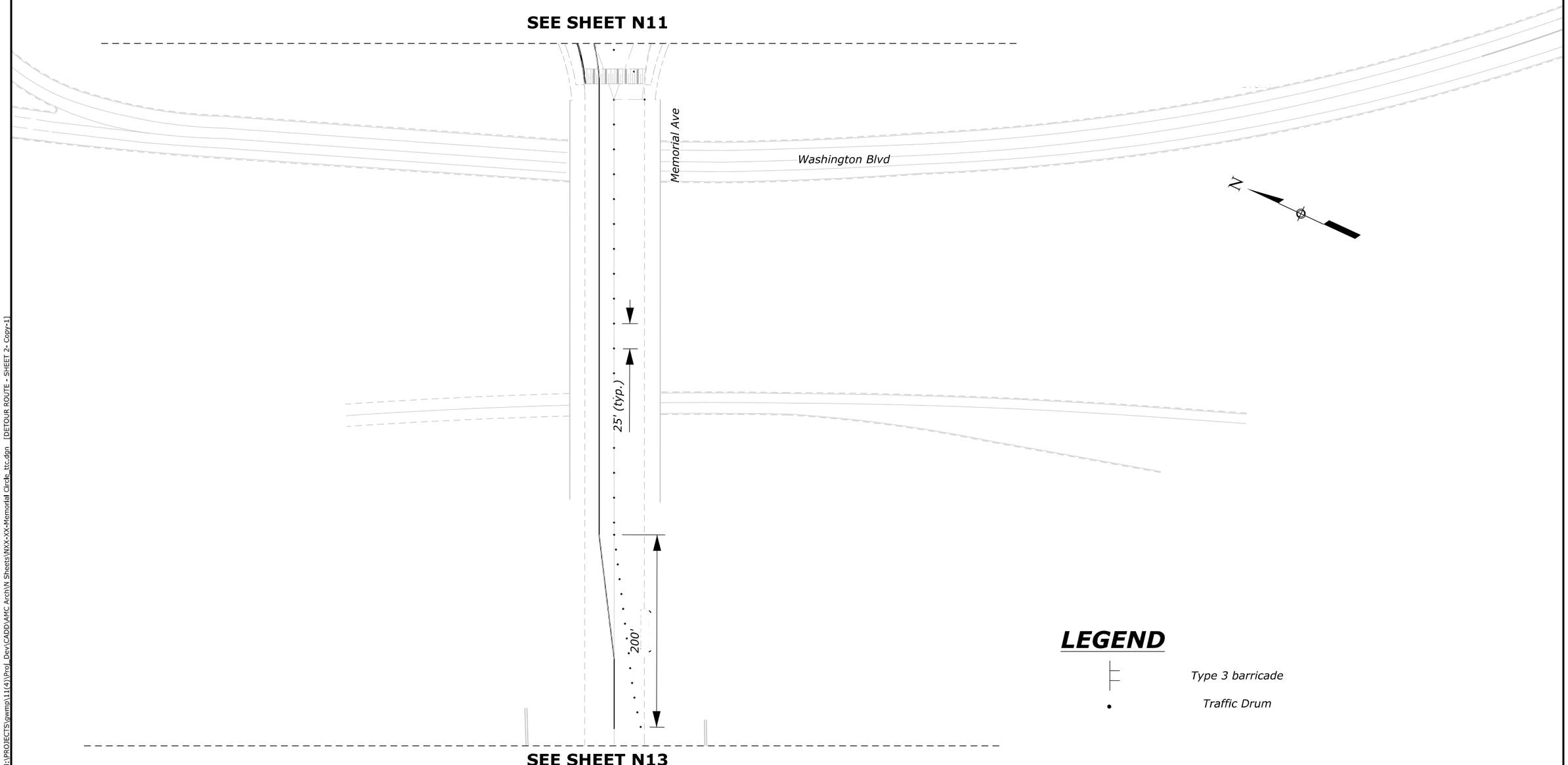
SEE SHEET N11



SEE SHEET N13

LEGEND

Type 3 barricade

Traffic Drum

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

0 50 100
SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE CONSTRUCTION OF THE ARCH

DETOUR ROUTE

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21 May 2026 6:19 PM

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

PROJECT	SHEET NUMBER
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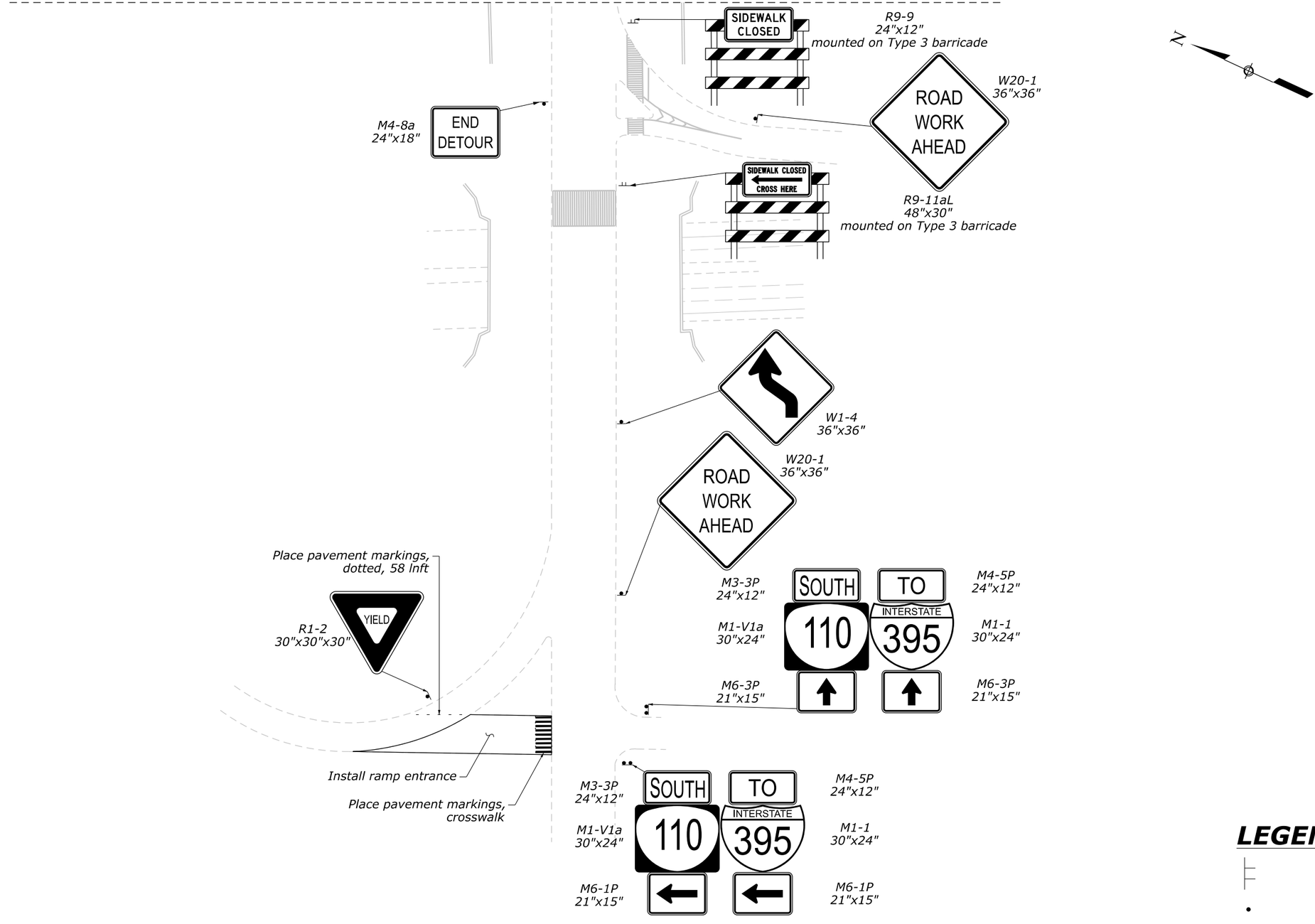
SEE SHEET N12



LEGEND

Type 3 barricade

Traffic Drum

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

0 50 100
SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE CONSTRUCTION OF THE ARCH

DETOUR ROUTE

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21 May 2026 6:19 PM

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXXXX

PROJECT	SHEET NUMBER
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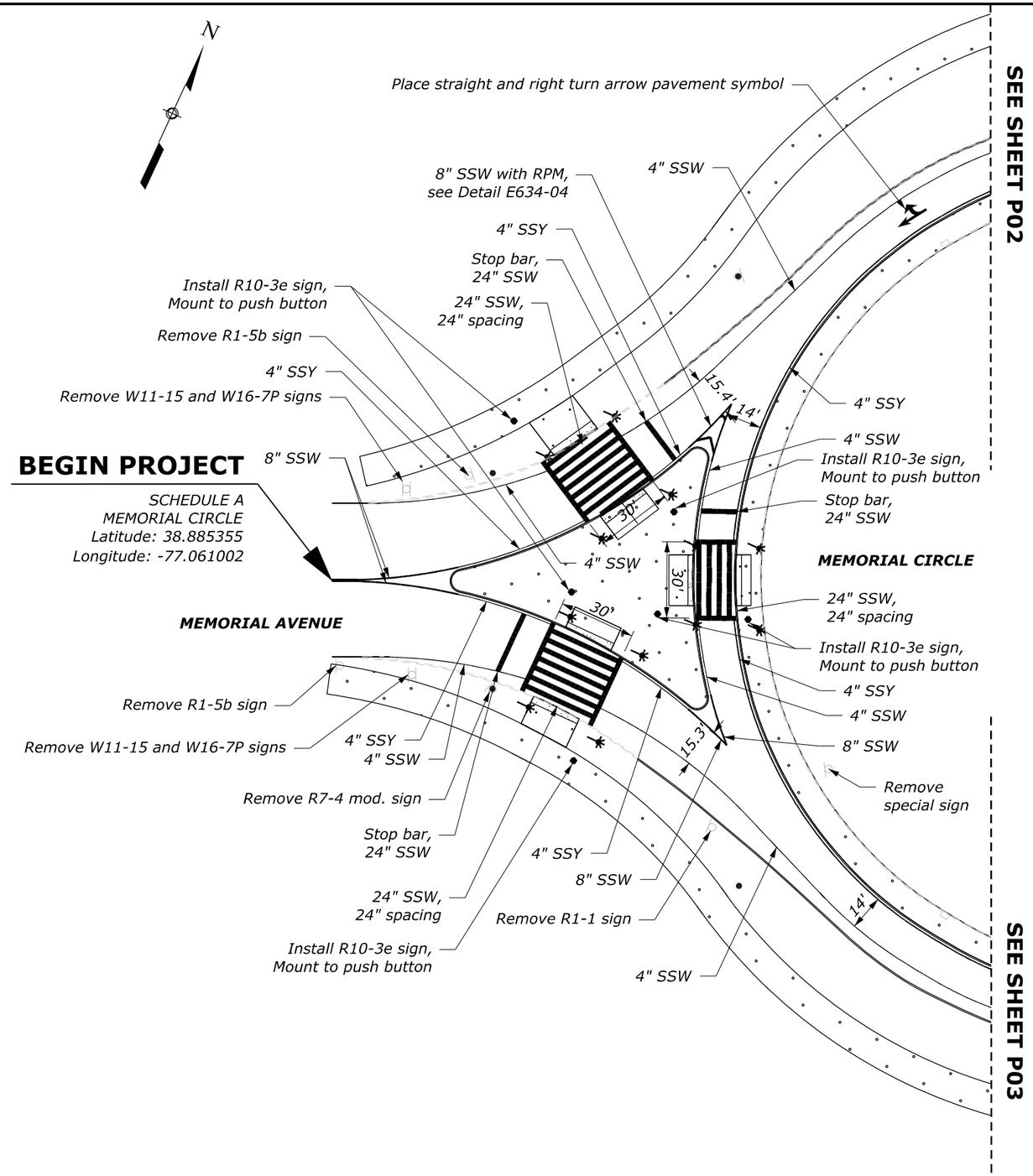

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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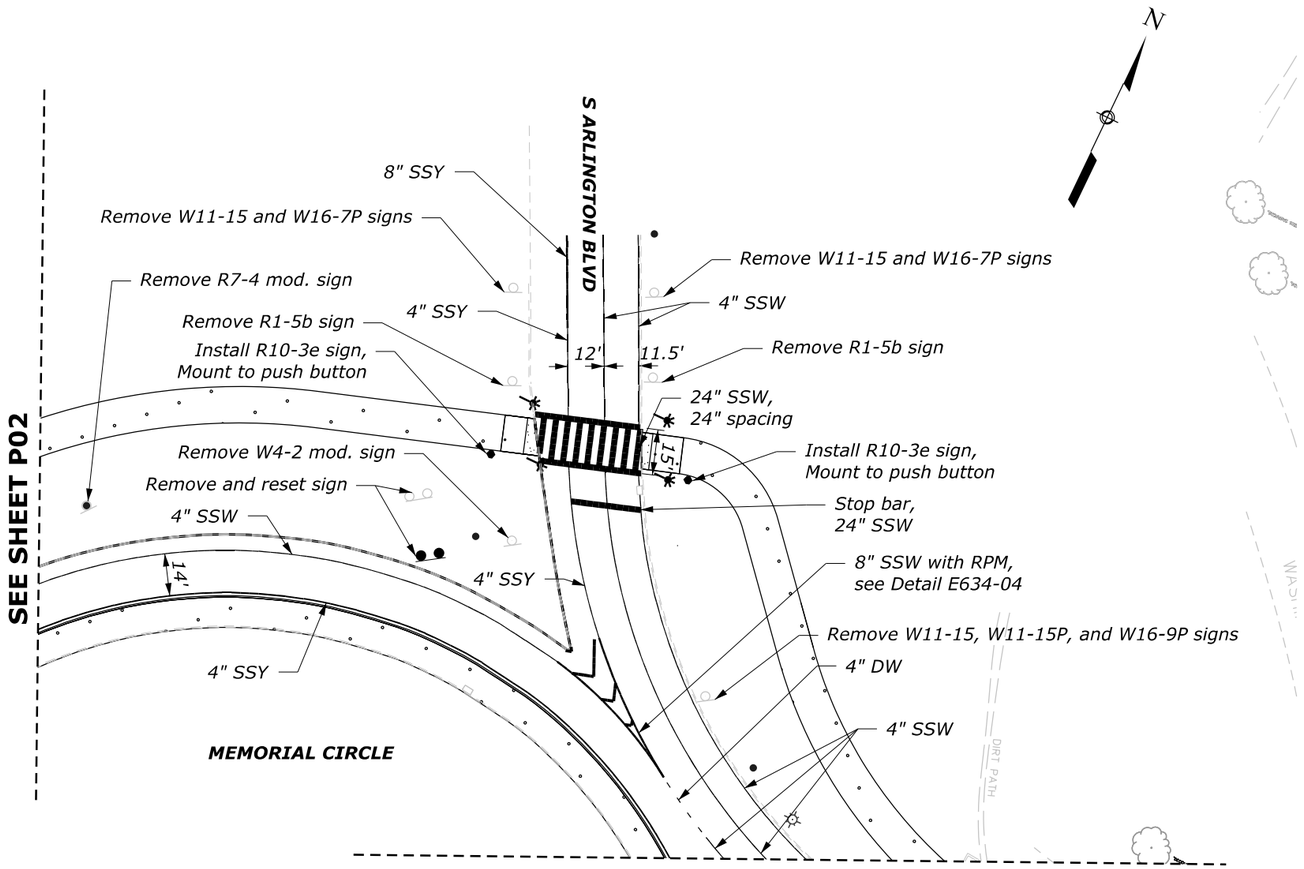
SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARK

PAVEMENT MARKING AND SIGNING PLAN

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\P01-P03_Memorial Circle.dgn [P01 (SHEET)]
21 May 2026 7:12 PM

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	P02



NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARK

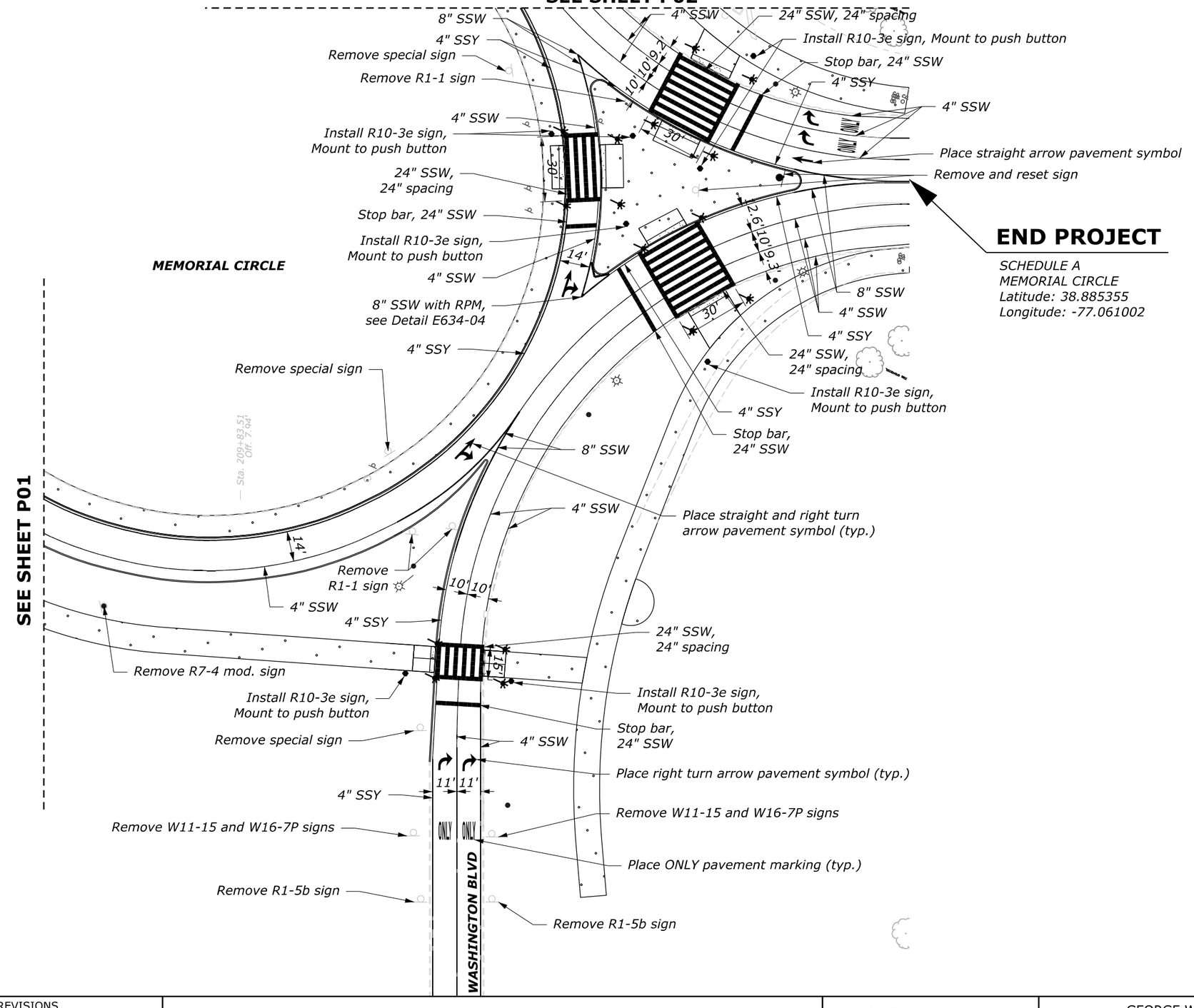
PAVEMENT MARKING AND SIGNING PLAN

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\P01-P03_Memorial Circle.dgn [P02 SHEET]
21 May 2026 7:12 PM

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	P03

SEE SHEET P02



NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARK

PAVEMENT MARKING AND SIGNING PLAN

21 May 2026 7:12 PM M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\P01-P03_Memorial Circle.dgn [P03 [SHEET]]

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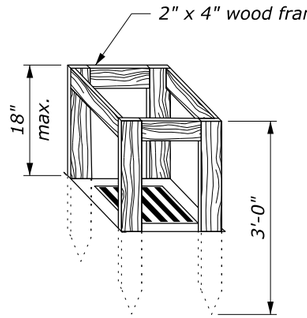
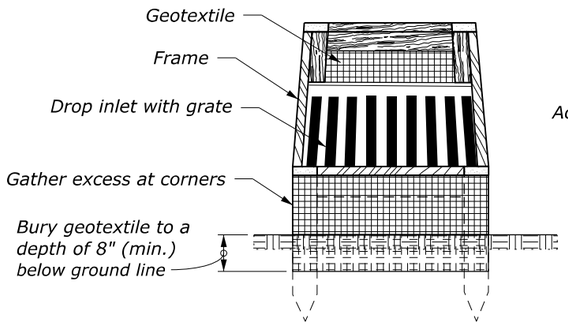
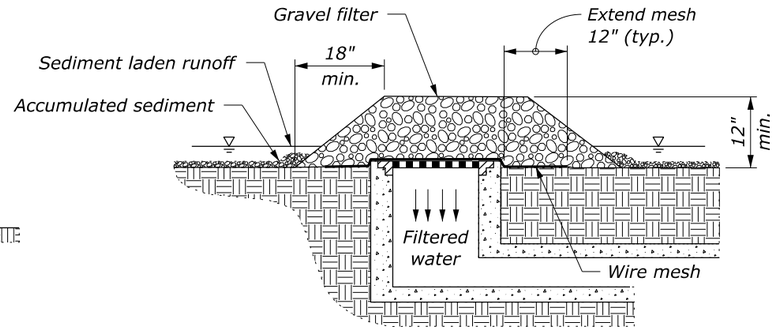




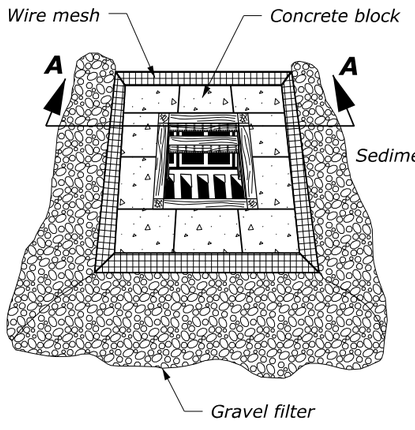
SILT FENCE DROP INLET PROTECTION (TYPE A)

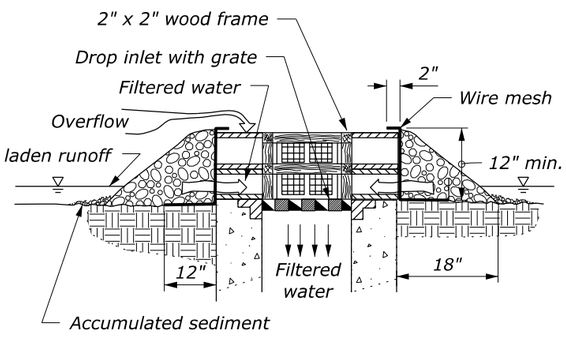


GRAVEL AND WIRE MESH DROP INLET PROTECTION (TYPE B)

NOTE:

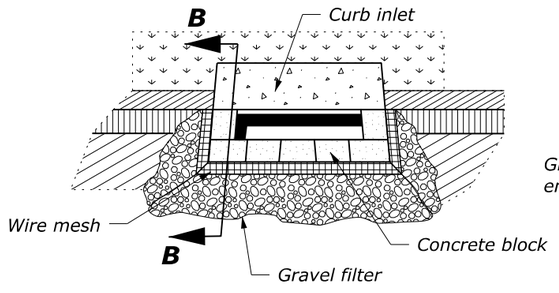
1. *For gravel filters use 2" to 3" diameter coarse aggregate.*
2. *Use wire mesh with ½" x ½" openings.*
3. *Use type A inlet protection in sump locations only.*
4. *Use type B inlet protection only in sump locations where heavy concentrated flows are not expected. Do not use where ponding around the structure might cause inconvenience or damage.*
5. *Provide silt fence drop inlet protection geotextile conforming to subsection 713.16(a).*

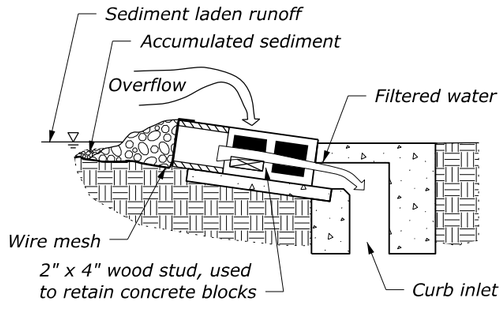




SECTION A-A

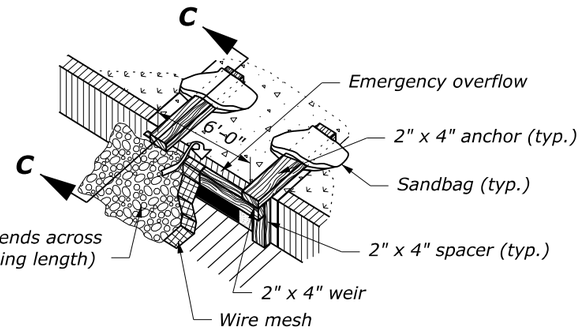
BLOCK AND GRAVEL DROP INLET PROTECTION (TYPE C)

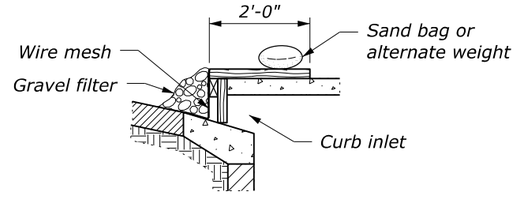




SECTION B-B

CURB INLET PROTECTION, BLOCK AND GRAVEL (TYPE D)





SECTION C-C

CURB INLET PROTECTION, WOODEN WEIR (TYPE E)

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	FLH STANDARD 157-2
TEMPORARY INLET PROTECTION	SPECIFICATION FP-24, FP-14
	APPROVED FOR USE 1/2024

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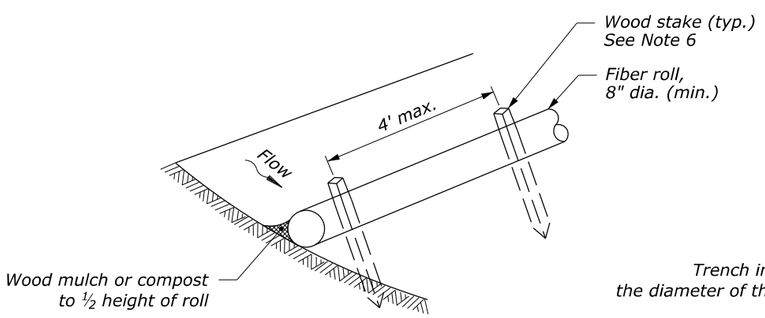
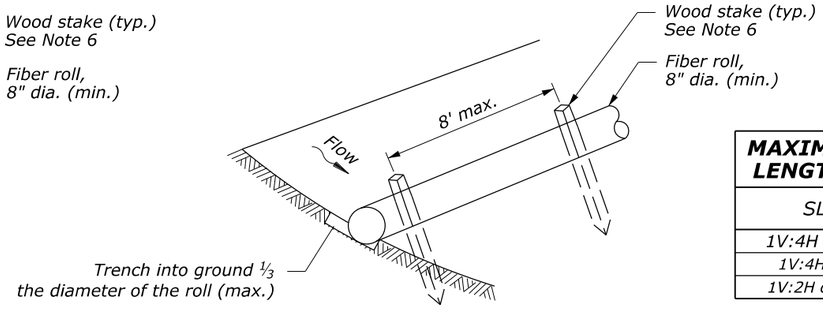
21 May 2026 1:49 PM

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S02



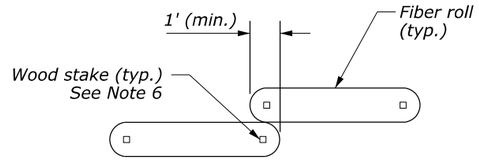
UNTRENCHED INSTALLATION



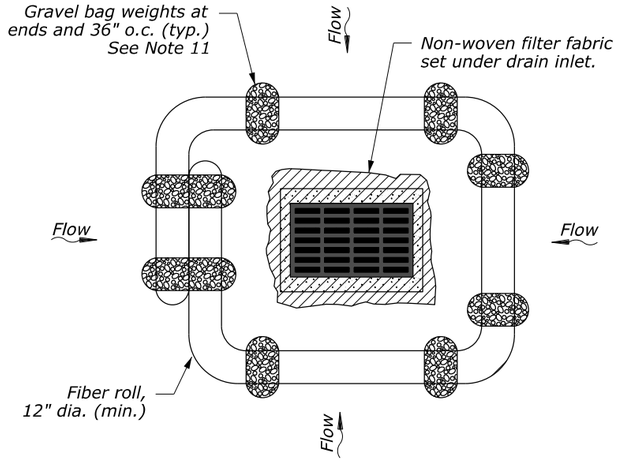
ENTRENCHED INSTALLATION

FIBER ROLL ISOMETRIC VIEW

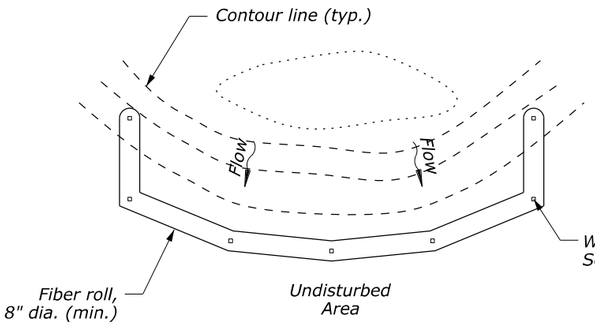
MAXIMUM ALLOWABLE SLOPE LENGTH ABOVE FIBER ROLLS	
SLOPE	MAX INTERVAL
1V:4H or Flatter	20 ft
1V:4H - 1V:2H	15 ft
1V:2H or Steeper	10 ft



FIBER ROLL OVERLAP



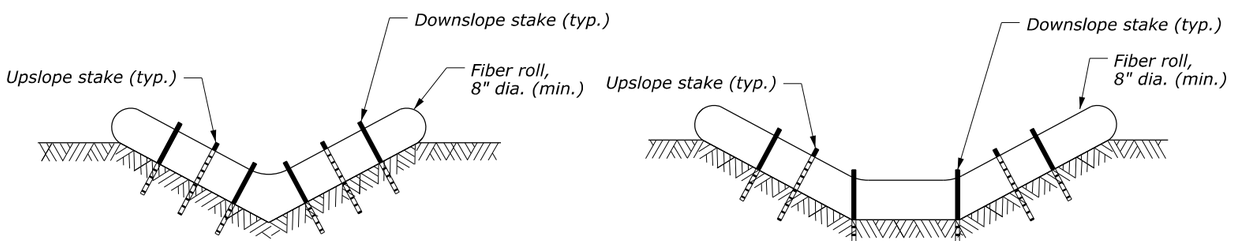
INLET PROTECTION



PLAN VIEW

NOTES:

1. *Provide fiber rolls meeting the requirements of Subsection 713.12.*
2. *Use fiber rolls with a minimum 8-inch diameter. For drain inlet protection, use fiber rolls with a minimum 12-inch diameter.*
3. *Prior to installation, clear all obstructions including rocks, clods, and debris greater than 1-inch that may interfere with proper function of the fiber roll.*
4. *For untrenched installation, blow or hand place mulch or compost on uphill side of the slope along the fiber roll.*
5. *Place fiber rolls on level grade and parallel to contours. Extend both ends of the fiber roll at least 8 feet upslope at 45 degrees to the main alignment.*
6. *Use wood stakes with a minimum nominal cross section of 2- by 2-inch and of sufficient length to attain a minimum of 12 inches into the ground and 3 inches protruding above the roll. Provide wood stakes meeting the requirements of Subsection 713.08(a).*
7. *When more than one fiber roll is needed, overlap ends 12 inches minimum and stake.*
8. *Remove sediment deposits when accumulation is one-half the height of the exposed fiber roll.*
9. *Replace biodegradable fiber rolls 6 months after installation and photodegradable fiber rolls 12 months after installation.*
10. *When fiber rolls are required on paved surfaces, use gravel bags to support them as shown on the inlet protection view.*
11. *Provide gravel bag weights meeting the requirements of Subsection 713.13.*

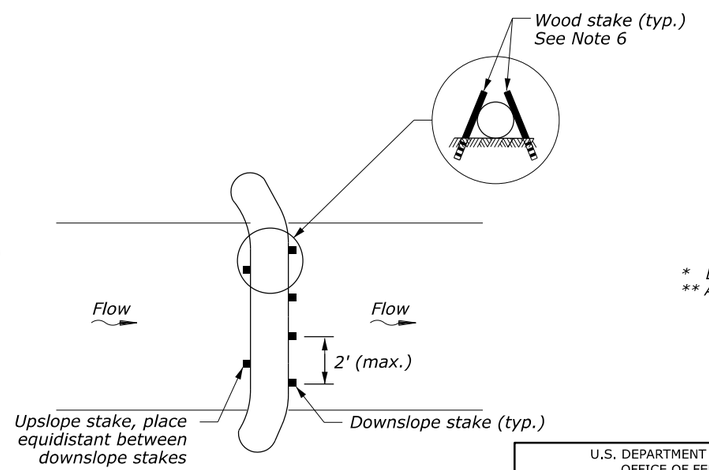


V-DITCH TRAPEZOIDAL DITCH

FIBER ROLL CHECK DAM CROSS-SECTIONS

FIBER ROLL CHECK DAM SPACING TABLE		
DITCH GRADE *	CHECK DAM SPACING (S)**	
	8" HIGH	12" HIGH
2%	33'	50'
3%	22'	33'
4%	16'	25'
5%	13'	20'

* Do not install check dams on grades below 2%
** Adjust spacing as approved based on site conditions



FIBER ROLL CHECK DAM PLAN VIEW

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E157-04
FIBER ROLL	SPECIFICATION FP-24, FP-14
	APPROVED FOR USE 05/2024

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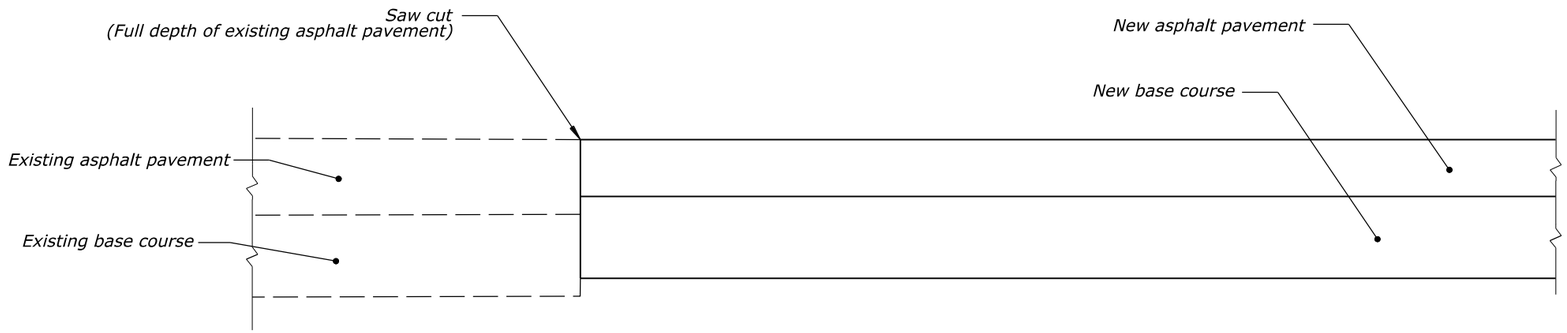
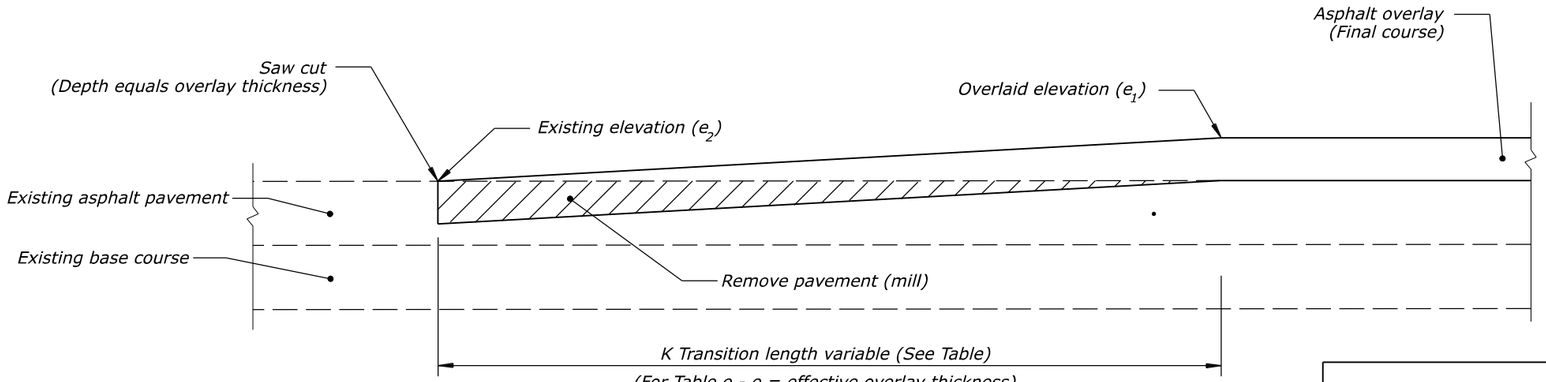
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S03



NEW PAVEMENT



OVERLAY

NOTE:

Provide a transition length in feet that is not less than the value obtained by multiplying the effective overlay thickness in inches (difference between the existing and overlaid elevations) by the K value from the Table for the posted speed of the roadway.

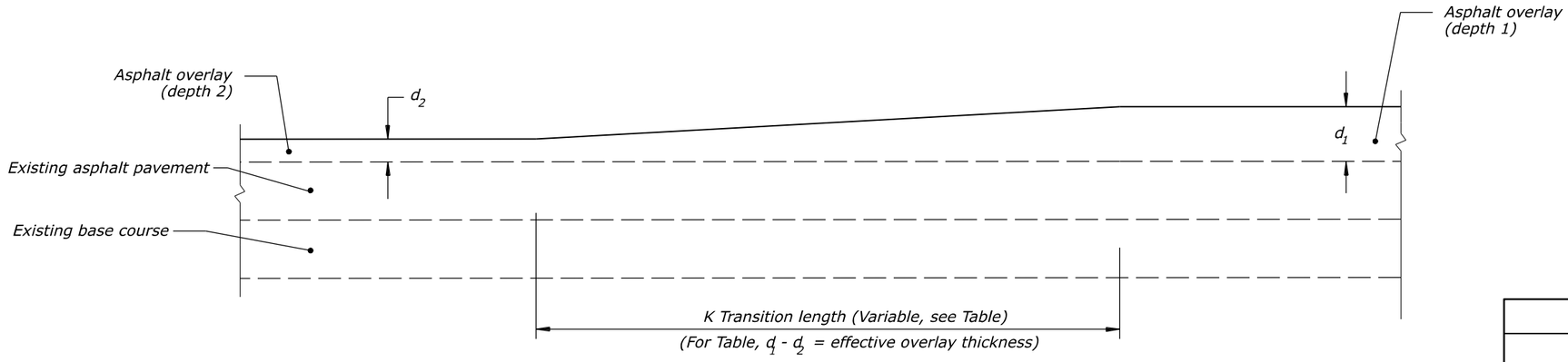
Use $K*[e_1 - e_2] = T$, or $K*[d_1 - d_2] = T$ (whichever applies), to obtain the transition length. (Minimum transition length=30 feet)

Example :
If the posted speed is 55 MPH
Effective overlay thickness = 2 inches
Then the minimum transition length =
2 inches x 42.5 ft./in. = 85 feet.

K VALUE TABLE (ft/in)

POSTED SPEED (MPH) *	30	35	40	45	50	55	60	65	70	75
K	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5

* Use a K Value of 30 for speeds less than 30 MPH.



OVERLAY - DEPTH TRANSITIONS

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

PAVEMENT TRANSITIONS

EFLHD DETAIL	E401-01
SPECIFICATION	FP-24, FP-14
APPROVED FOR USE	05/2024

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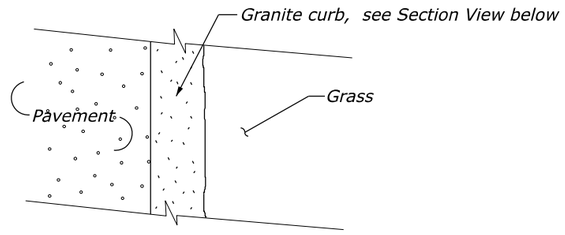
21 May 2026 1:33 PM

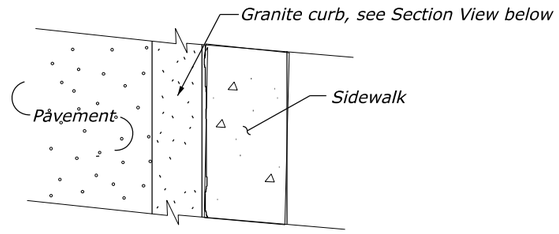
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S04

NOTE:

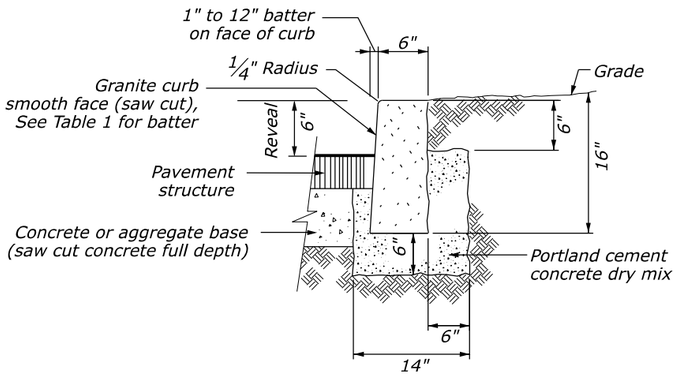
Place transverse expansion joints at intervals of not more than 60 feet for curbs and sidewalks.



PLAN VIEW

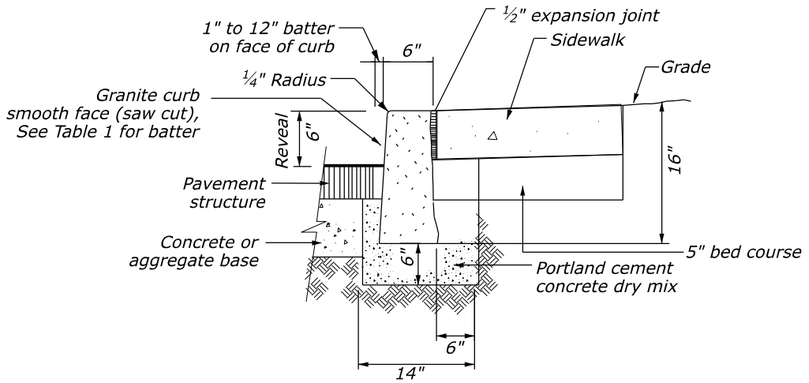


PLAN VIEW



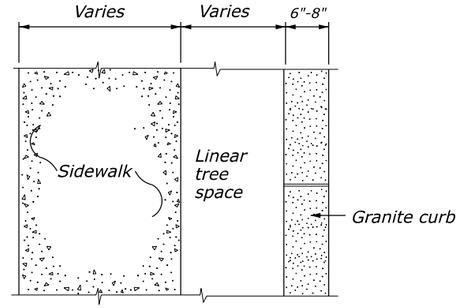
SECTION VIEW

STONE CURB TYPE 1, 16" DEPTH (GRANITE TYPE A OR B) (WITHOUT SIDEWALK)



SECTION VIEW

STONE CURB TYPE 1, 16" DEPTH (GRANITE TYPE A OR B) (WITH SIDEWALK)



PLAN VIEW

STONE CURB TYPE 1, 16" DEPTH (GRANITE TYPE A OR B) (WITH SIDEWALK AND LINEAR TREE SPACE)

TABLE 1

BATTER FOR GRANITE CURB	
TYPE	**BATTER (H:V)**
A	1:12
B	3/4:10

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

GRANITE CURBS

EFLHD DETAIL
E609-02

SPECIFICATION
FP-24. FP-14

APPROVED FOR USE
05/2024

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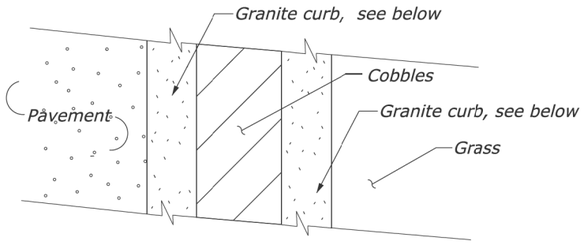
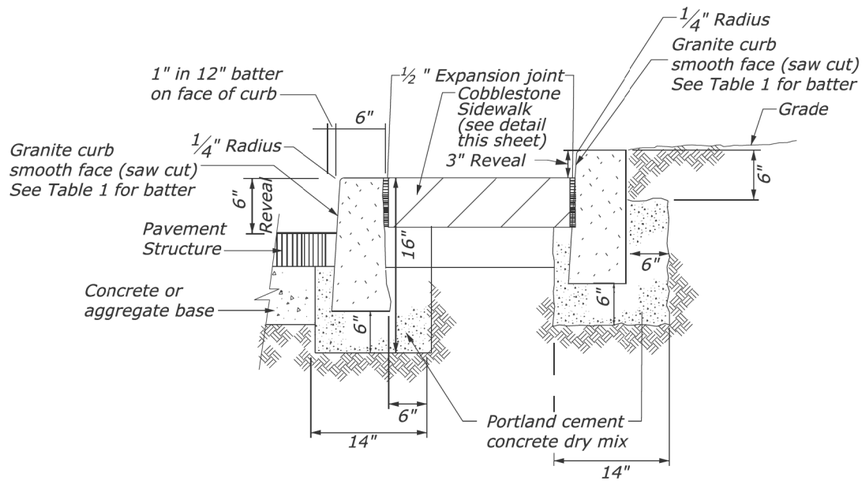
NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S05



PLAN



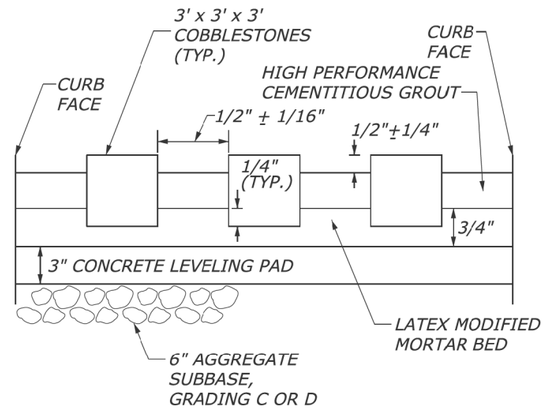
SECTION

(WITH COBBLES)

STONE CURB TYPE 1, 16" DEPTH (GRANITE TYPE A OR B)

NOTE:

Place transverse expansion joints at intervals of not more than 60 feet for curbs and sidewalks.



COBBLESTONE SIDEWALK DETAIL (NTS)

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E609-02A
EXPOSED AGGREGATE CONCRETE SIDEWALK	

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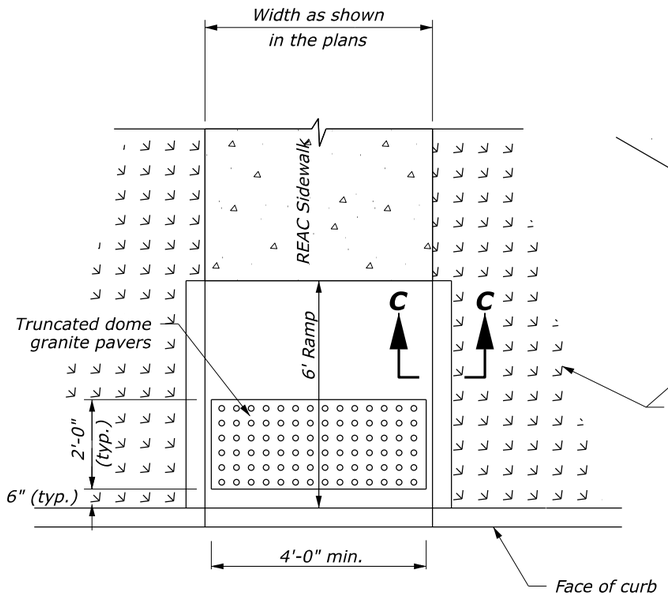
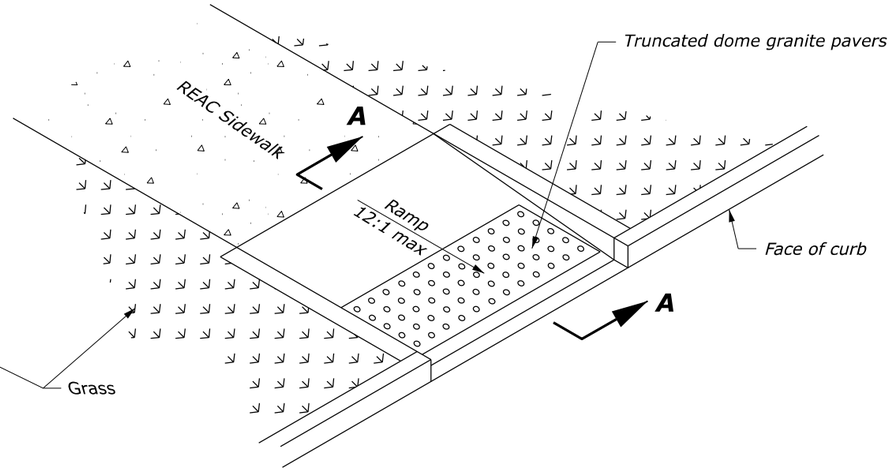
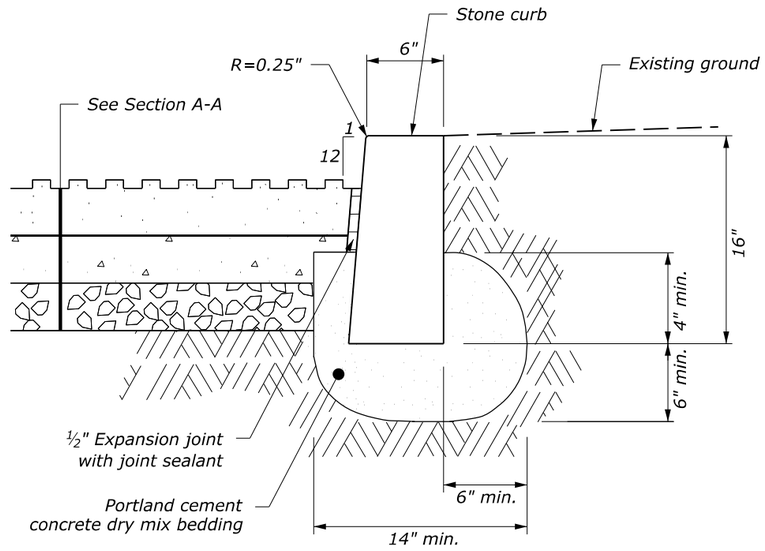
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S06



PLAN VIEW

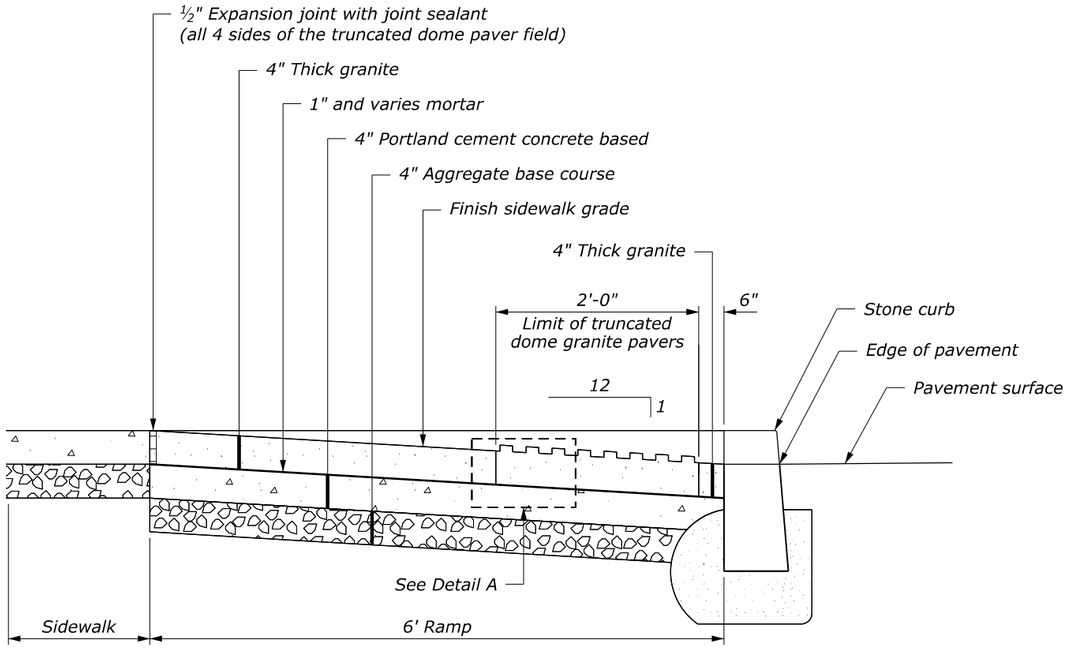


ISOMETRIC VIEW

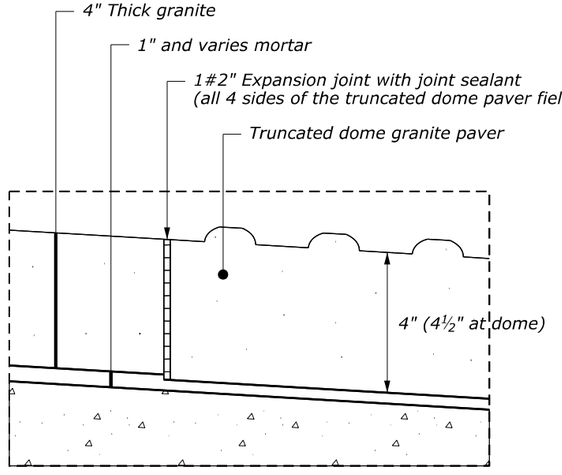


SECTION C-C

TYPE C RAMP

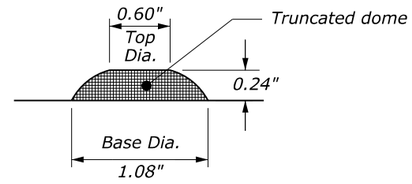


SECTION A-A

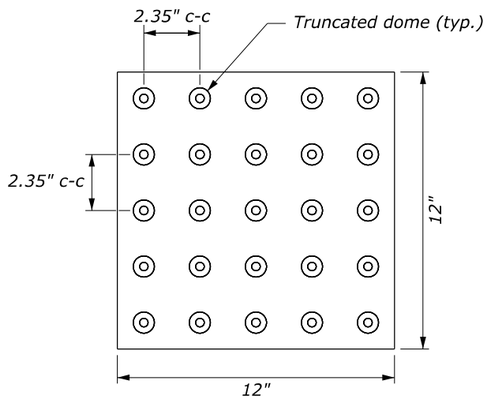


DETAIL A

NO SCALE



ELEVATION VIEW



PLAN VIEW

TRUNCATED DOMES PAVERS

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E610-A
STONE ACCESSIBILITY RAMP CURB RETURN	

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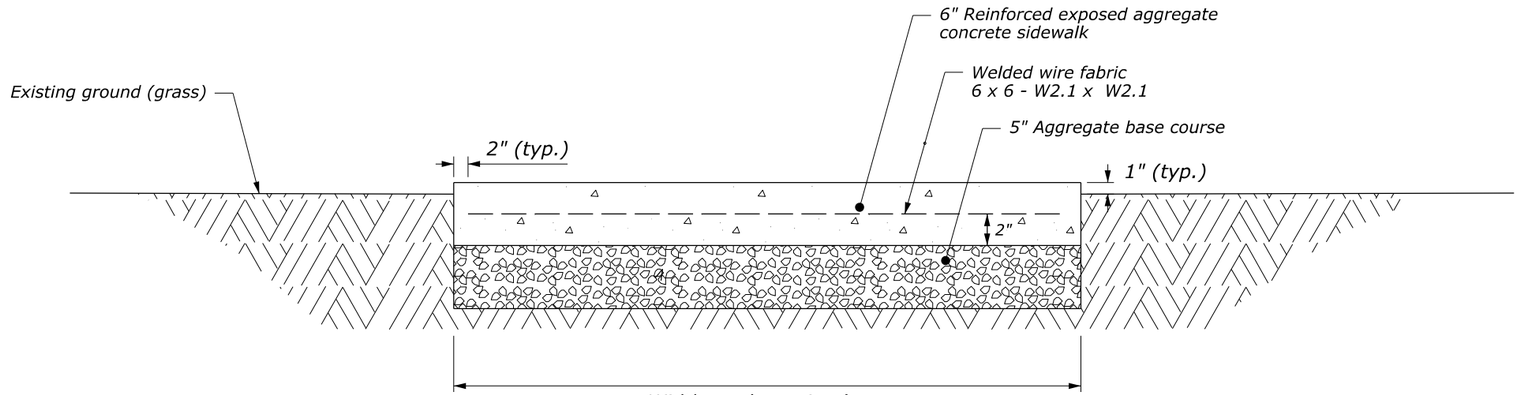
21 May 2026 2:40 PM

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S07

NOTES:

1. *Place 1/2-inch transverse expansion joints as directed.*
2. *Place 1/4-inch wide dummy joints to match the adjacent curb or at intervals equal to the width as directed. Place dummy joints to 1/3-inch depth of the sidewalk.*
3. *Finish sidewalks according to Subsection 615.04(b).*
4. *Place construction joints around all structures in the sidewalk.*
5. *Place welded wire fabric on chairs.*



SIDEWALK WITHOUT CURB

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E610-B
EXPOSED AGGREGATE CONCRETE SIDEWALK	

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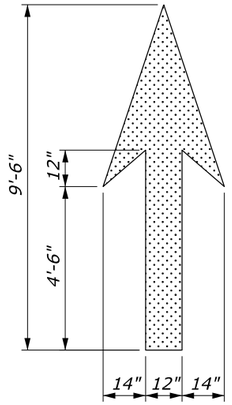
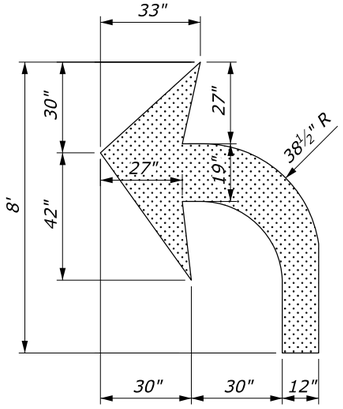
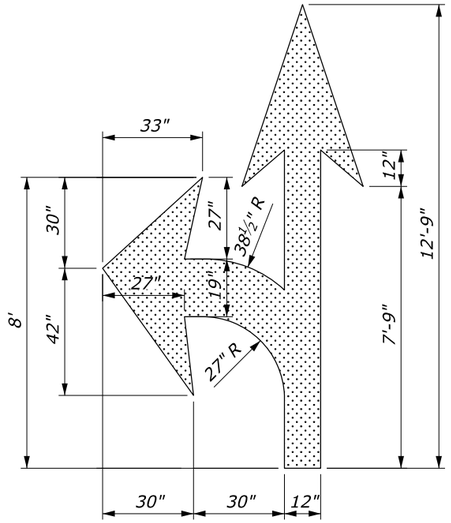
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S08



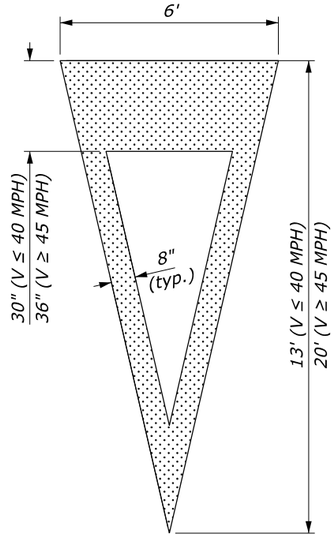
STRAIGHT ARROW SYMBOL



TURN ARROW SYMBOL



STRAIGHT/TURN ARROW COMBINATION SYMBOL

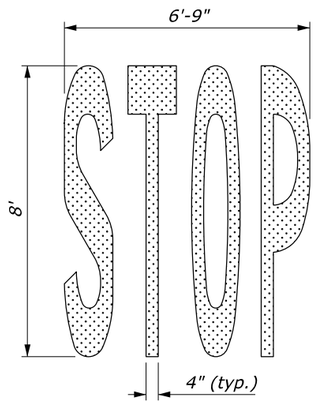


YIELD AHEAD TRIANGLE SYMBOL

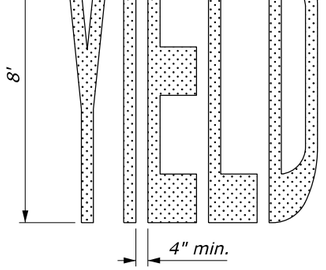
NOTES:

1. Place pavement word and symbol markings in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.
2. Place all letters, numerals, and symbols in accordance with the "Standard Highway Signs", latest edition.
3. Provide Accessibility Symbol marking as indicated in the plans or directed otherwise by the CO in one of the following configurations:

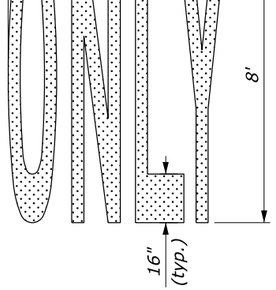
   (a) w/ Symbol only; or
   (b) w/ Symbol, blue background, and white border



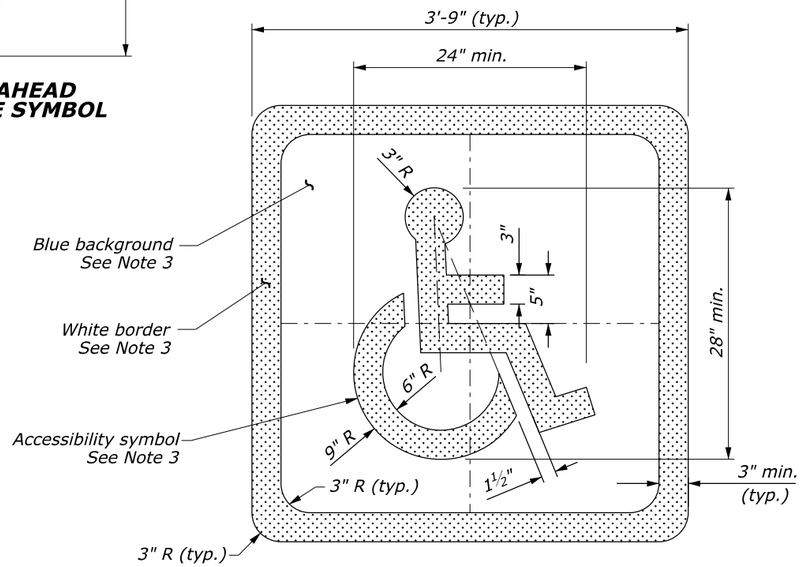
"STOP" WORD MESSAGE

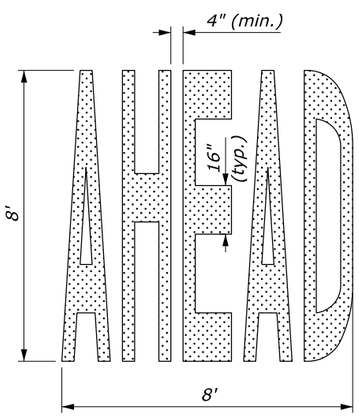


"YIELD" WORD MESSAGE

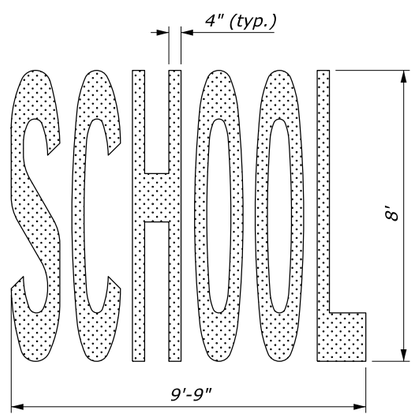


"ONLY" WORD MESSAGE





"AHEAD" WORD MESSAGE



"SCHOOL" WORD MESSAGE

PAVEMENT MARKING AREAS	
TYPE	*SQFT*
Accessibility Symbol:	--
w/ Symbol only	2
w/ Symbol, blue background, and white border	16
Straight Arrow Symbol	12
Straight/Turn Arrow Combination Symbol	26
Turn Arrow Symbol	16
Yield Ahead Triangle Symbol (V<45 mph)	26
Yield Ahead Triangle Symbol (V≥45 mph)	37
"AHEAD" Word Message Marking	30
"ONLY" Word Message Marking	21
"SCHOOL" Word Message Marking	33
"STOP" Word Message Marking	22
"YIELD" Word Message Marking	24

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

PAVEMENT MARKINGS SYMBOLS AND WORDS

EFLHD DETAIL
E634-01

SPECIFICATION
FP-24, FP-14

APPROVED FOR USE
06/2024

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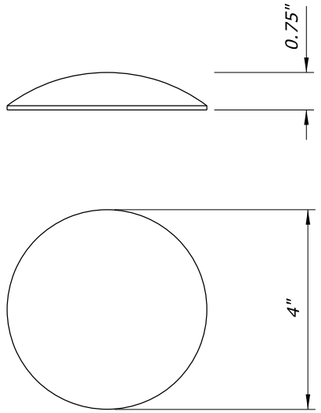
21 May 2026 2:33 PM

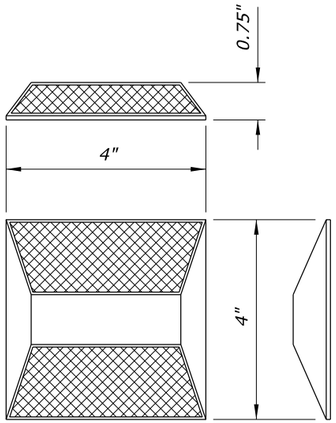
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S09

NOTES:

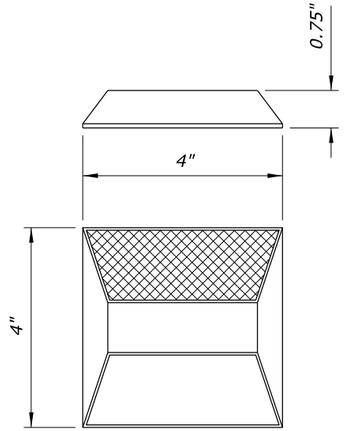
1. *Provide reflective markers with either clear (white), yellow or red colors as specified.*
2. *Ensure the shell of the marker is made of one color or a combination of colors the same as the reflector.*



NON-REFLECTIVE

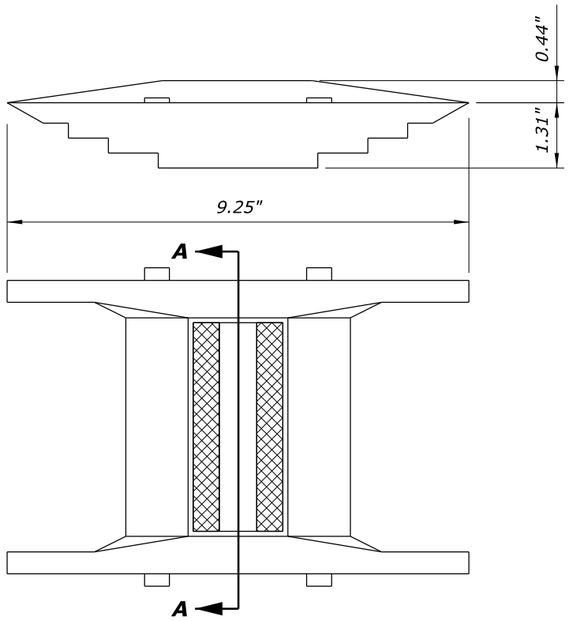


BI-DIRECTIONAL

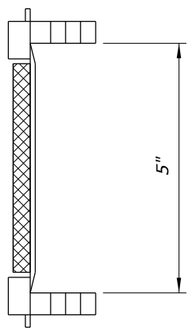


MONO-DIRECTIONAL

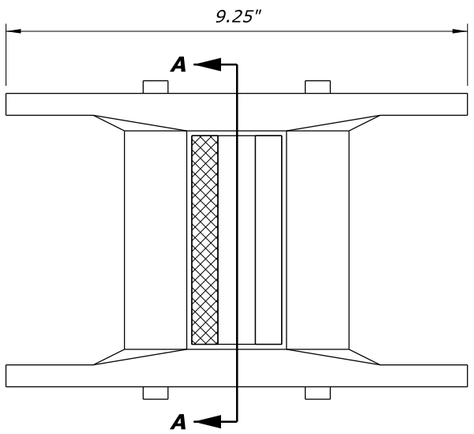
NON-PLOWABLE PAVEMENT MARKERS



BI-DIRECTIONAL



SECTION A-A



MONO-DIRECTIONAL

LEGEND:

Reflective material

PLOWABLE PAVEMENT MARKERS

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E634-02
RAISED PAVEMENT MARKERS	SPECIFICATION FP-24, FP-14
	APPROVED FOR USE 06/2024

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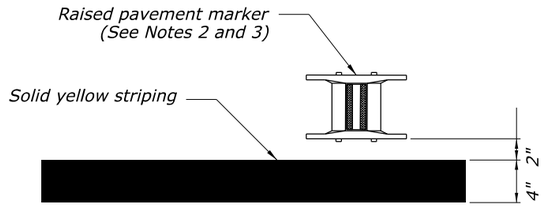
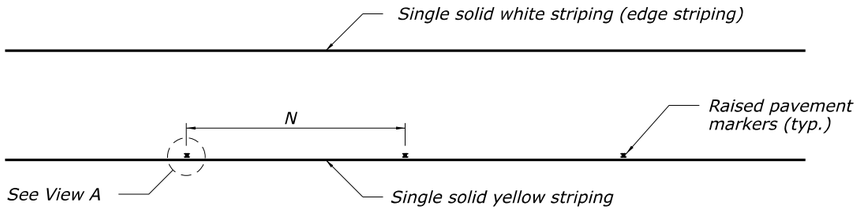
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S10



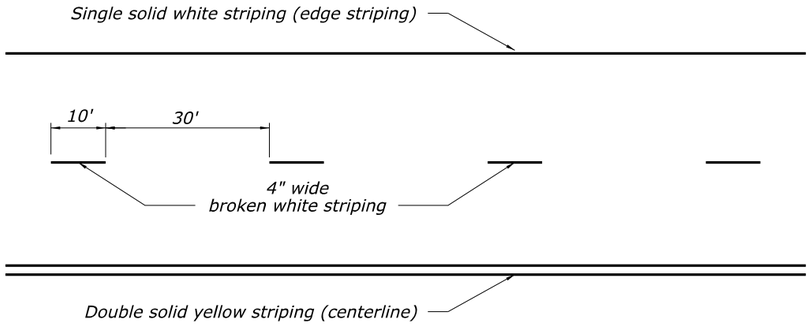
VIEW A



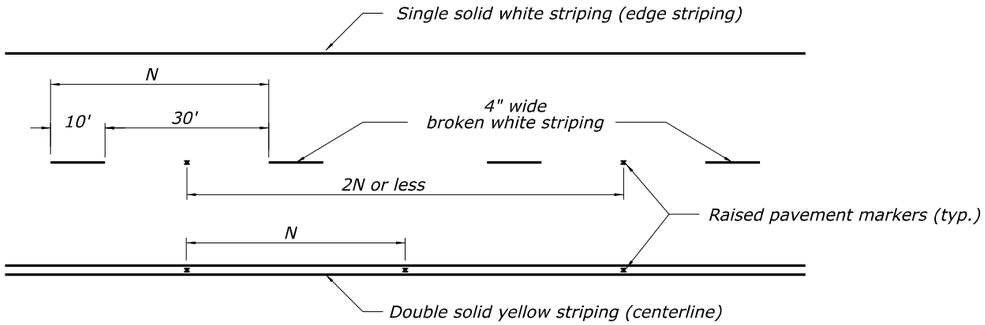
**SINGLE SOLID YELLOW STRIPING
WITH RAISED PAVEMENT MARKERS**

NOTES:

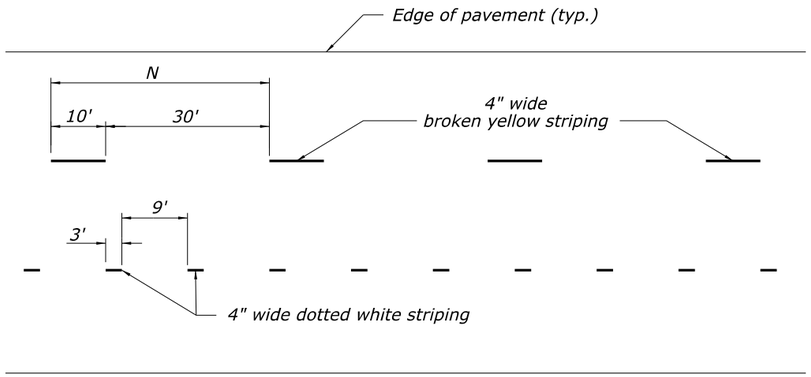
1. Install striping in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.
2. When raised pavement markers are required, space and install in accordance with the MUTCD and as shown in this Detail or as directed.
3. When raised pavement markers are required, see Detail E634-02.



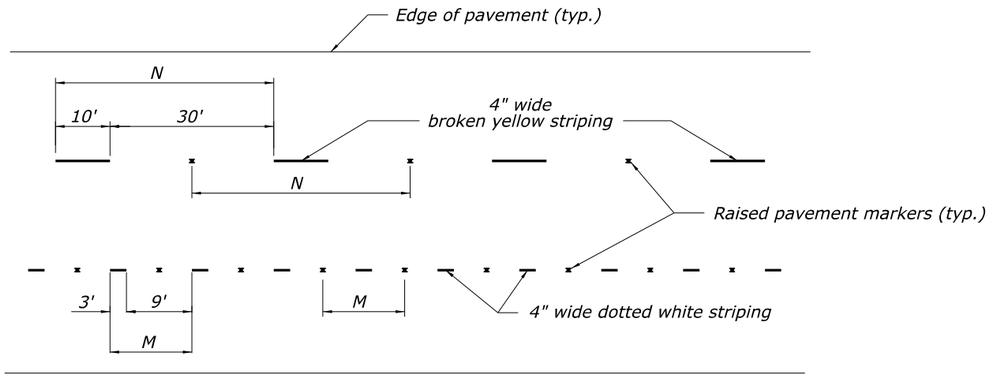
**BROKEN SINGLE WHITE AND
DOUBLE SOLID YELLOW STRIPING**



**BROKEN SINGLE WHITE AND
DOUBLE SOLID YELLOW STRIPING
WITH RAISED PAVEMENT MARKERS**



**BROKEN SINGLE YELLOW AND
DOTTED WHITE STRIPING**



**BROKEN SINGLE YELLOW AND
DOTTED WHITE STRIPING
WITH RAISED PAVEMENT MARKERS**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

PAVEMENT MARKINGS WITH AND WITHOUT RAISED PAVEMENT MARKERS

EFLHD DETAIL	SPECIFICATION	APPROVED FOR USE
E634-03	FP-24, FP-14	06/2024

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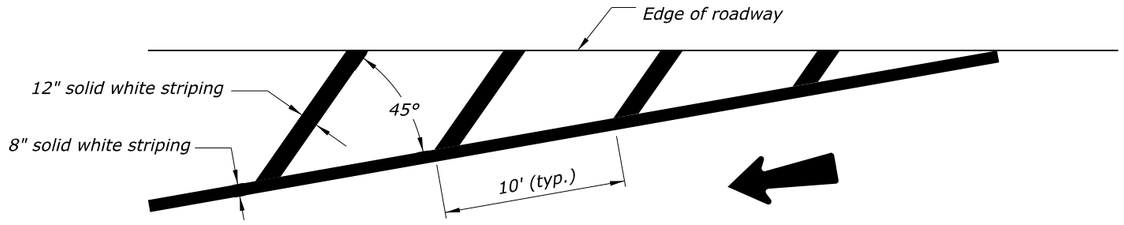
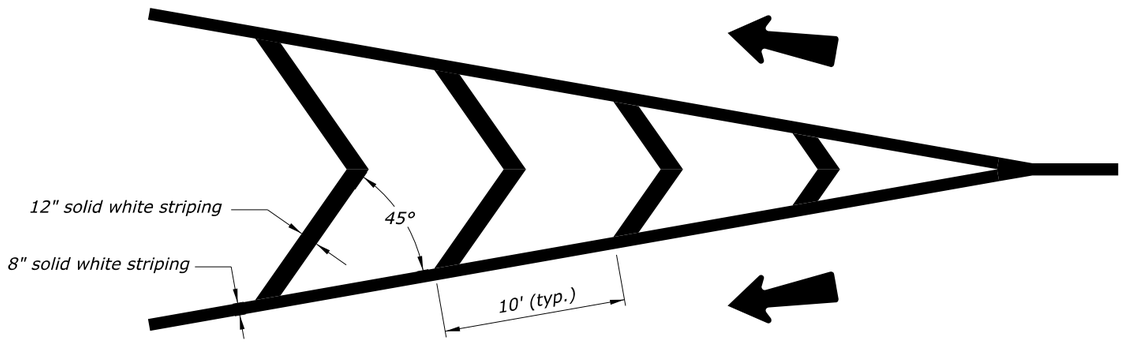
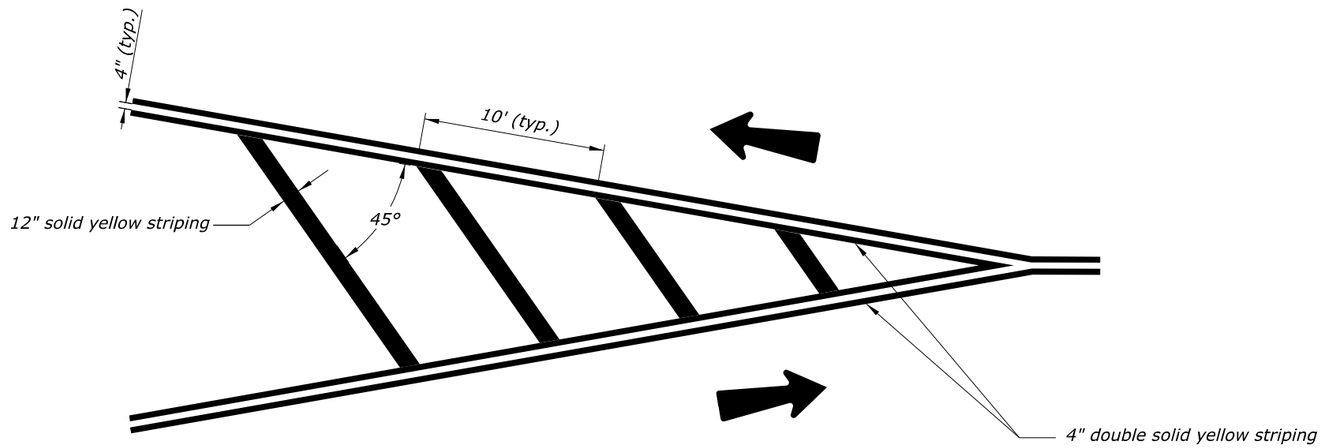
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S11



ONE-WAY TRAFFIC, LANE SHIFT



ONE-WAY TWO-LANE TRAFFIC, LANES SEPARATE



TWO-WAY TWO-LANE TRAFFIC, LANES SEPARATE

NO SCALE

NOTES:

1. Install striping in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.
2. Typical pavement marking widths are shown. Use wider pavement markings when specified in the plans or as directed.

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

PAVEMENT MARKINGS IN NEUTRAL AREAS

EFLHD DETAIL	SPECIFICATION	APPROVED FOR USE
E634-04	FP-24, FP-14	06/2024

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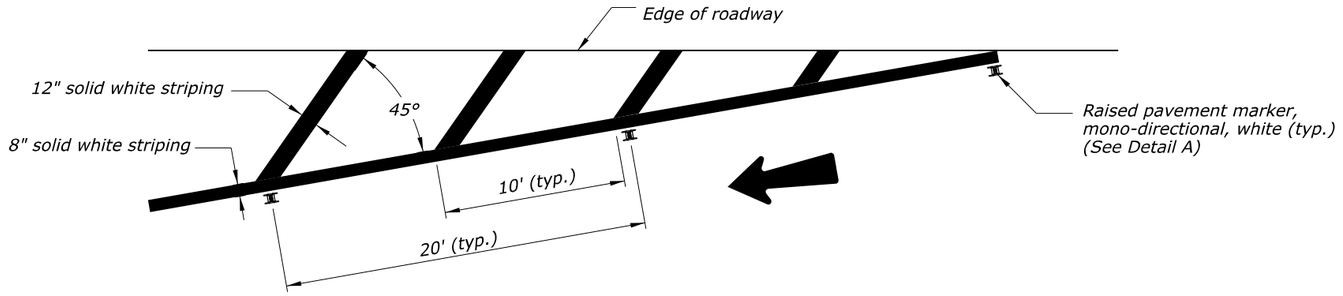
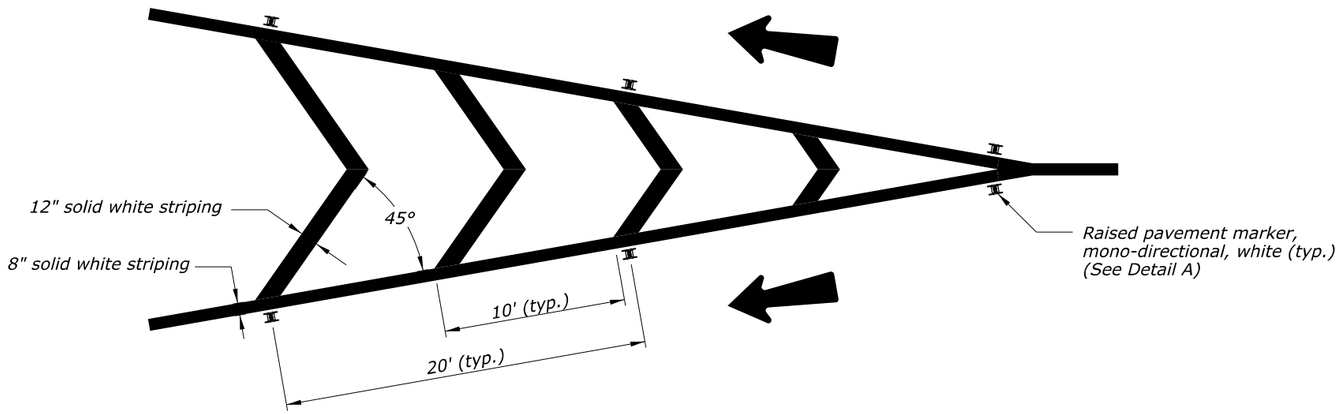
21 May 2026 2:34 PM

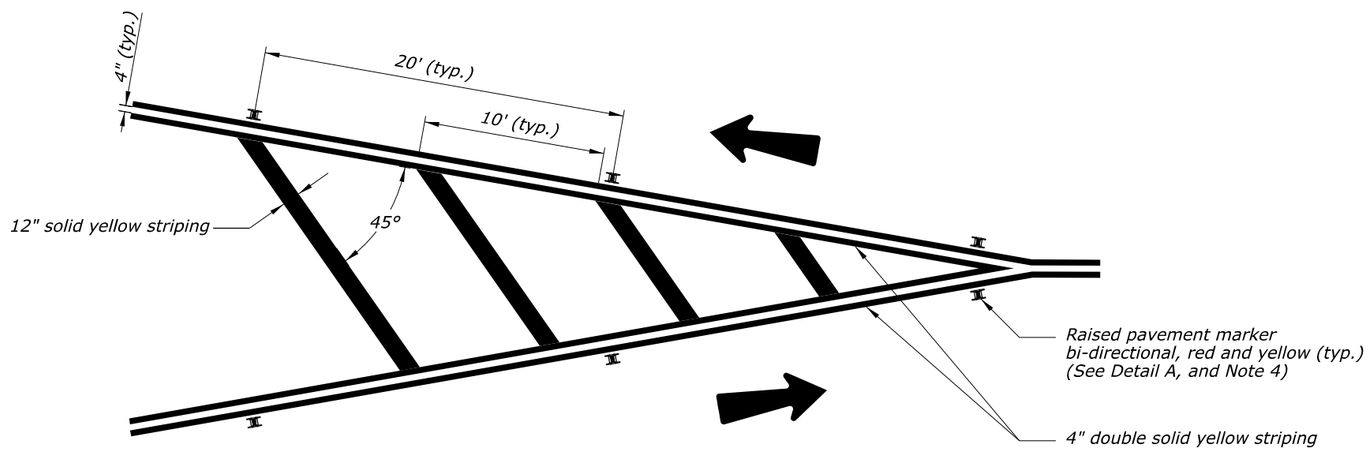
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S12



ONE-WAY TRAFFIC, LANE SHIFT



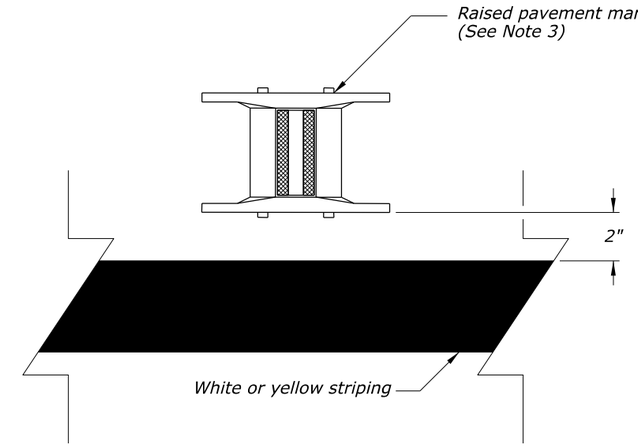
ONE-WAY TWO-LANE TRAFFIC, LANES SEPARATE



TWO-WAY TWO-LANE TRAFFIC, LANES SEPARATE

NOTES:

1. *Install striping in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.*
2. *Typical pavement marking widths are shown. Use wider pavement markings when specified in the plans or as directed.*
3. *Space and install raised pavement markers (RPMs) in accordance with the MUTCD, latest edition, and as shown or as directed.*
4. *Detail A shows plowable RPM only; the same positioning applies to non-plowable RPMs. See Detail E634-02 for RPM details.*
5. *Install bi-directional RPMs so that the yellow reflective side is facing the traffic flow and the red reflective side is facing the opposing traffic.*



DETAIL A

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E634-04
PAVEMENT MARKINGS IN NEUTRAL AREAS WITH RAISED PAVEMENT MARKERS	SPECIFICATION FP-24, FP-14
	APPROVED FOR USE 06/2024

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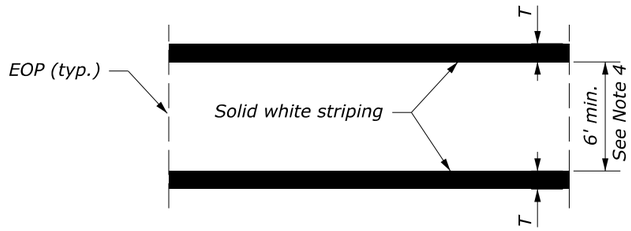
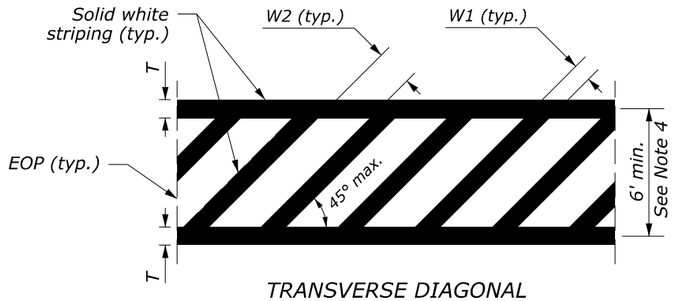
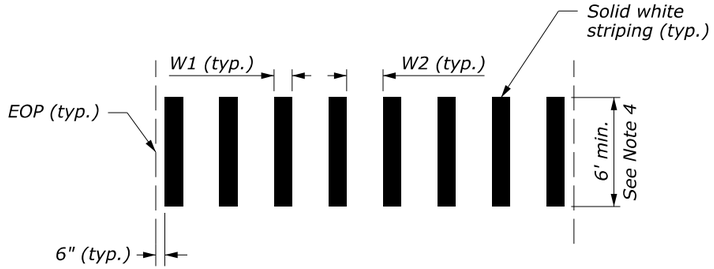
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S13



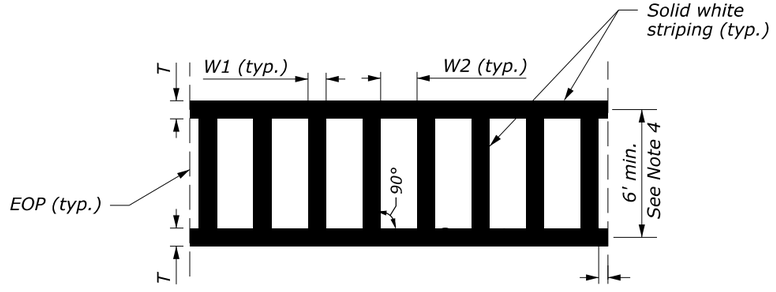
TRANSVERSE



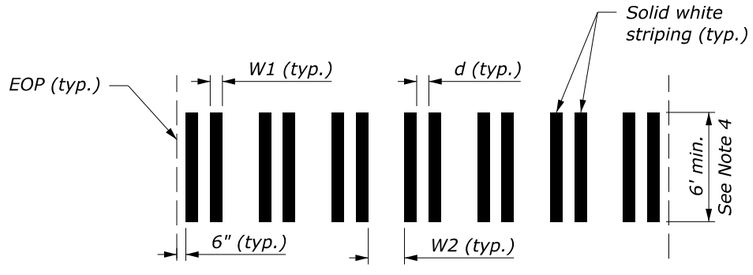
TRANSVERSE DIAGONAL
See Note 3



LONGITUDINAL BAR



LADDER



BAR PAIR

TYPICAL CROSSWALK LAYOUTS

NOTES:

1. *Install striping and signing in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.*
2. *For longitudinal bar, bar pair, and ladder crosswalk layouts, space line bars to avoid wheel path as shown in the plans or as approved.*
3. *Use transverse diagonal crosswalk layout only at locations with complex roadway geometry where rotated interior longitudinal bars are needed to remain parallel to approaching traffic.*
4. *At non-intersection crosswalk where the posted speed limit is 40 MPH or greater, provide a minimum crosswalk width of 8 feet unless otherwise specified in the plans.*

CROSSWALK STRIPING DIMENSIONS TABLE

CROSSWALK TYPE	W1		W2*		T		d	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Transverse					6"	24"		
Longitudinal Bar	12"	24"	12"	60"				
Longitudinal Bar Pair	8"	12"	24"	60"			8"	12"
Ladder		24"		24"	6"	24"		
Transverse Diagonal	12"	24"	12"	60"	6"	24"		

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

PAVEMENT MARKINGS
PEDESTRIAN CROSSWALK
SHEET 1 of 2

EFLHD DETAIL
E634-06A

SPECIFICATION
FP-24, FP-14

APPROVED FOR USE
06/2024

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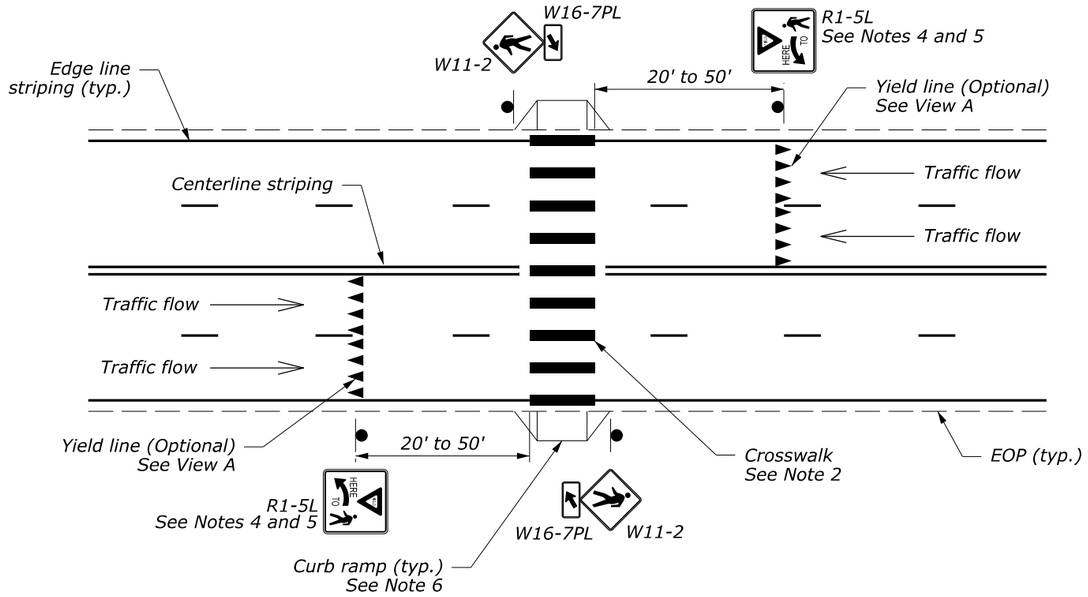
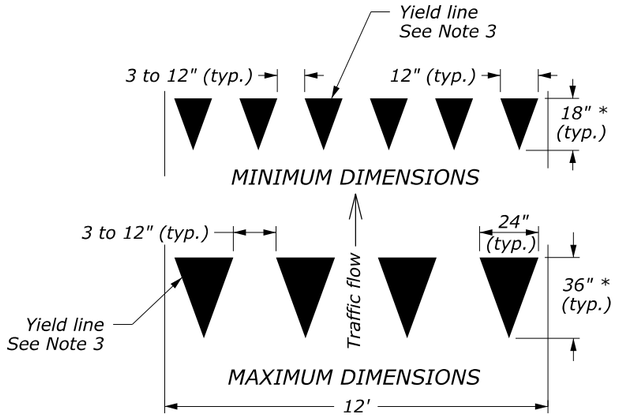


TWO-WAY ROADWAY

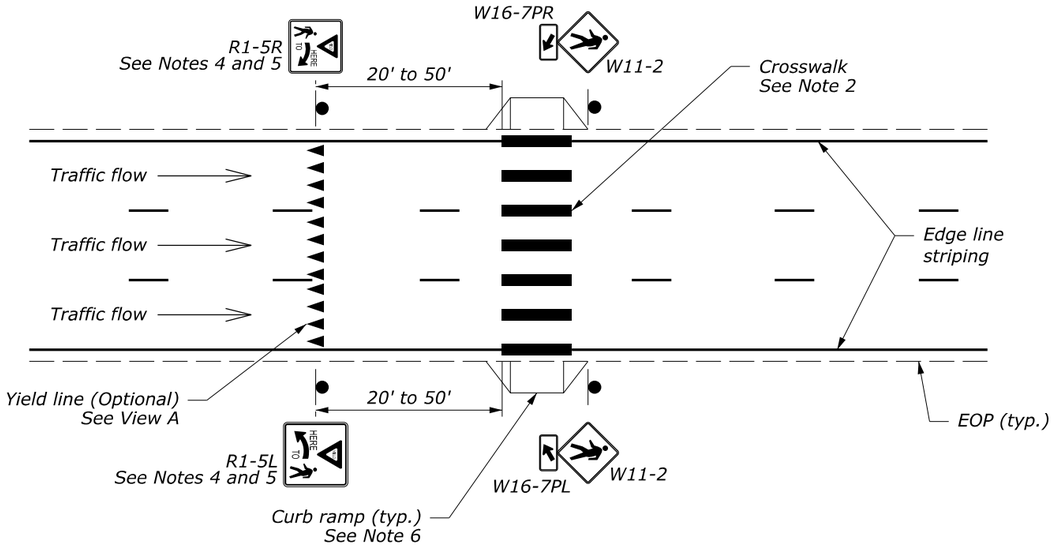


VIEW A - YIELD LINE LAYOUTS

* *Ensure triangle height for yield lines is equal to 1.5 times the base dimension.*

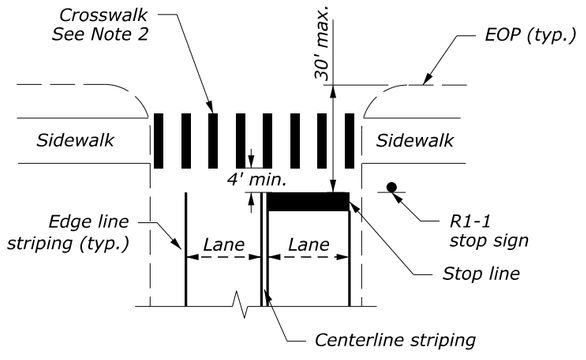
NOTES:

1. *Install striping and signing in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.*
2. *Longitudinal bar crosswalk layout is used for illustration purposes only. Refer to the plans for project crosswalk layout and actual striping dimensions. See Sheet 1 of 2 for typical crosswalk layouts.*
3. *Smaller than shown yield lines may be used when installed on narrower, slow-speed facilities as approved.*
4. *If Stop Here for Pedestrians signs (R1-5b or R1-5c) are used instead of Yield Here to Pedestrians signs (R1-5 or R1-5a), use stop lines instead of yield lines.*
5. *The In-Street Pedestrian Crossing (R1-6 or R1-6a) sign may be used to remind road users of laws regulating right-of-way at an unsignalized pedestrian crosswalk according to the latest edition of the MUTCD as approved.*
6. *When curb ramps are present, ensure that crosswalk markings are located so that the curb ramps are within the extension of the crosswalk markings.*



ONE-WAY ROADWAY

HIGH-VISIBILITY CROSSWALK AT UNSIGNALIZED MIDBLOCK



STANDARD CROSSWALK AT INTERSECTION

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E634-06A
PAVEMENT MARKINGS PEDESTRIAN CROSSWALK SHEET 2 of 2	SPECIFICATION FP-24, FP-14
	APPROVED FOR USE 06/2024

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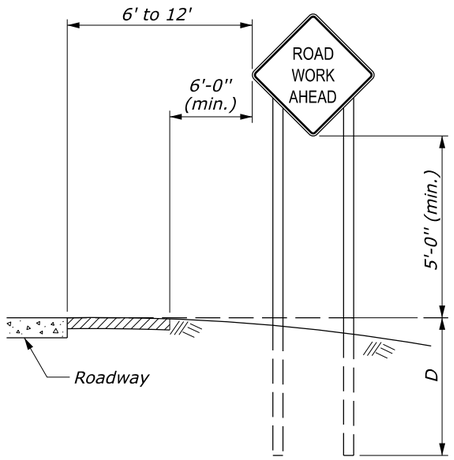
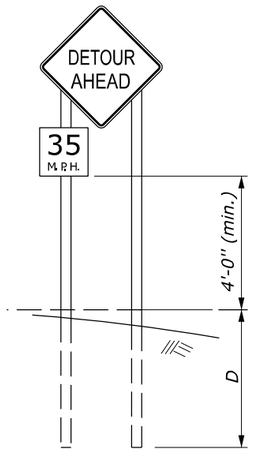
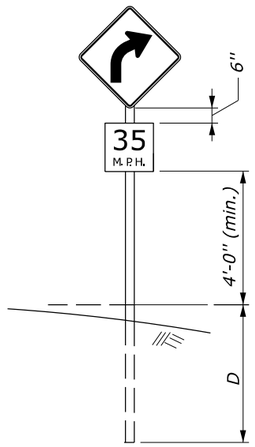
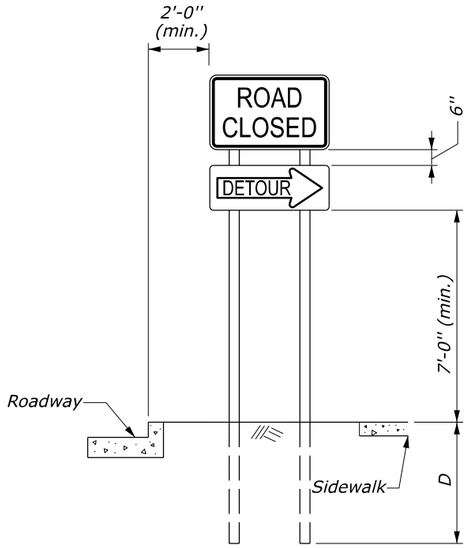
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S15







RURAL AREA

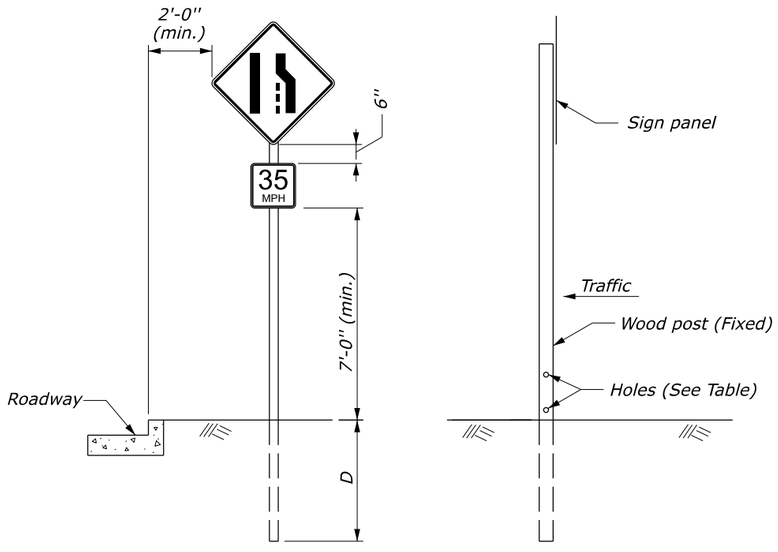


URBAN AREA

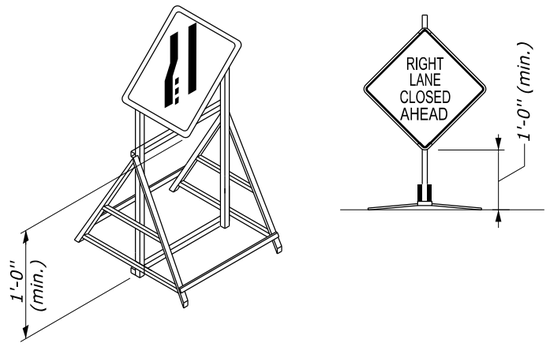
FIXED ROADWAY SIGNS

NOTES:

1. *Mount signs that are wider than 3 feet or larger than 10 square feet on double posts.*
2. *All lumber dimensions are nominal.*
3. *Submit alternate details for portable signs. Ensure sign mounts hold the sign face in a vertical plane. Portable signs may be mounted lower than fixed signs when approved. Ensure all portable sign supports are crashworthy.*
4. *When parking is permitted within 200 feet of the sign, mount the sign a minimum of 7 feet above the pavement surface.*
5. *When approved by the CO and the Utility Company, utility poles may be used for sign mounting.*
6. *For 4- by 6-inch and greater posts, see the Breakaway Sign Support View. If breakaway design cannot be used due to post spacing, place the sign outside the clearzone or shield with a barrier. Do not place holes in posts of non-breakaway signs.*
7. *Signs requiring 6- by 6-inch and greater posts are considered non-breakaway if multiple posts are required and the posts cannot be spaced a minimum of 7 feet apart.*



BREAKAWAY SIGN SUPPORT
(FIXED SIGNS 4" X 6" AND GREATER POSTS)
See Notes 6 and 7



PORTABLE SIGNS
See Notes 3 and 4

POST SIZE TABLE

POST SIZE	D	HOLE DIAMETER	MAXIMUM SIGN AREA (SQFT)			
			1 Post	2 Post	3 Post	4 Post
4" x 4"	4'	None Required	10	20	X	X
4" x 6"	4'	1.5"	X	35	50	70
6" x 6"	5'	2"	X	50	75	100
6" x 8"	5'	3"	X	85	125	165

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

EFLHD DETAIL
E635-01

SPECIFICATION
FP-24, FP-14

APPROVED FOR USE
06/2024

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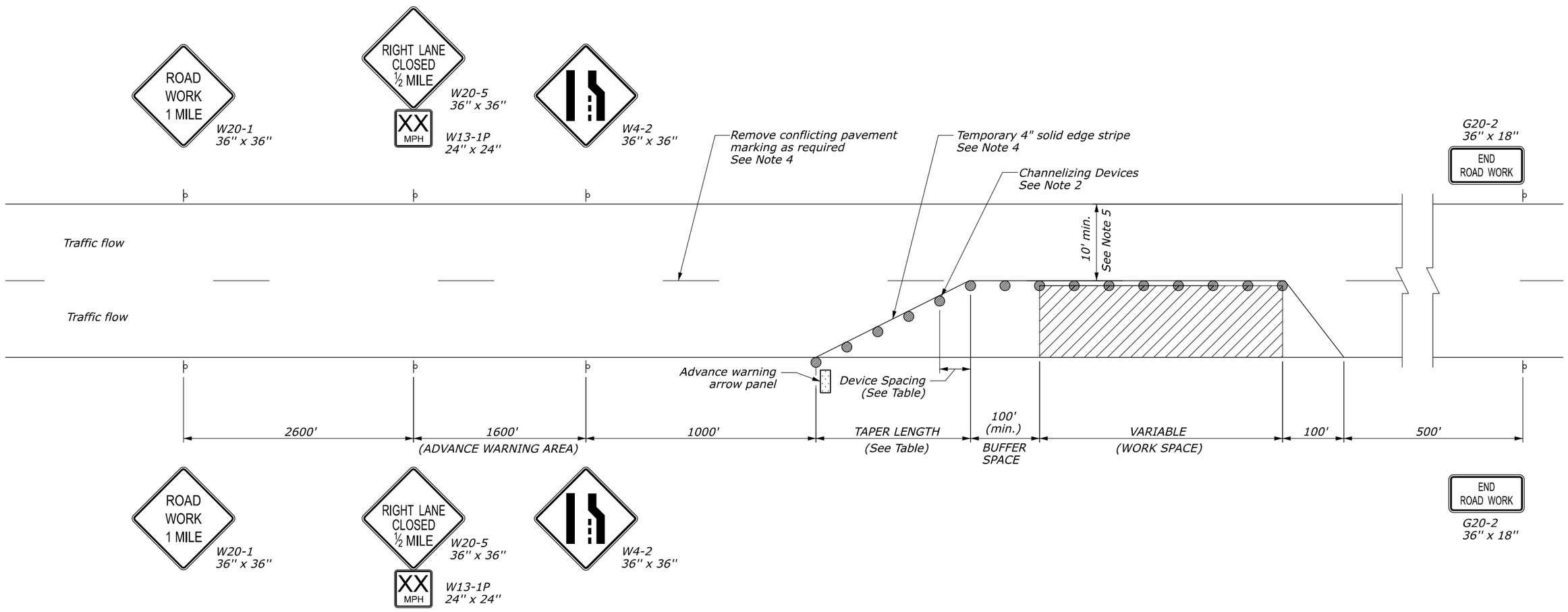
21 May 2026 2:34 PM

TYPICAL APPLICATION: ONE WAY, TWO LANE ROADWAY, CLOSING ONE LANE



NOTES:

1. Final location and spacing of temporary traffic control devices may be changed to fit field conditions as approved.
2. For operations that require a lane closure for a day or less, drums may be substituted with cones, type A in the work area as approved.
3. Right lane closure is shown. For left lane closure, substitute W20-5 and W4-2 left lane closure signs.
4. For long-term operations (operations where the lane is continuously closed for more than three days) remove conflicting pavement markings and place edge stripe as shown.
5. Use minimum width shown unless otherwise specified in Section 156.

LENGTH AND SPACING TABLE

APPROACH SPEED (MPH)	MINIMUM TAPER LENGTH (LNFT) LANE WIDTH (LNFT)			CHANNELIZING DEVICE SPACING (LNFT)	
	10	11	12	TAPER AREA	WORK AREA
25	105	115	125	25	50
30	150	165	180	30	60
35	205	225	245	35	70
40	270	295	320	40	80
45	450	495	540	45	90
50	500	550	600	50	100
55	550	605	660	55	100

* Approach speed based on the regulatory posted speed, not the advisory speed.

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE LAYOUT

EFLHD DETAIL	SPECIFICATION	APPROVED FOR USE
E635-05	FP-24, FP-14	06/2024

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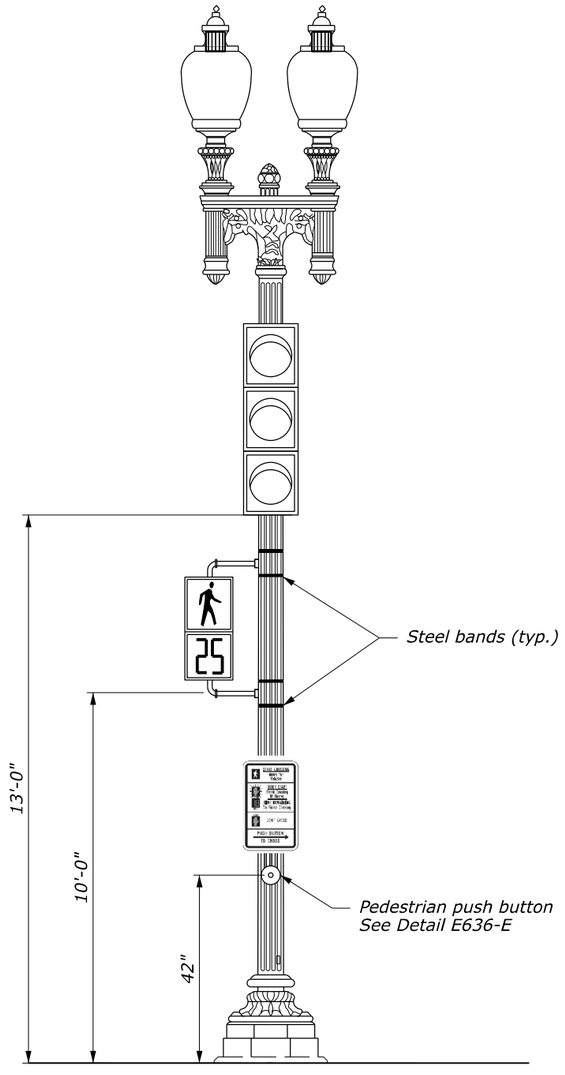
21 May 2026 2:34 PM

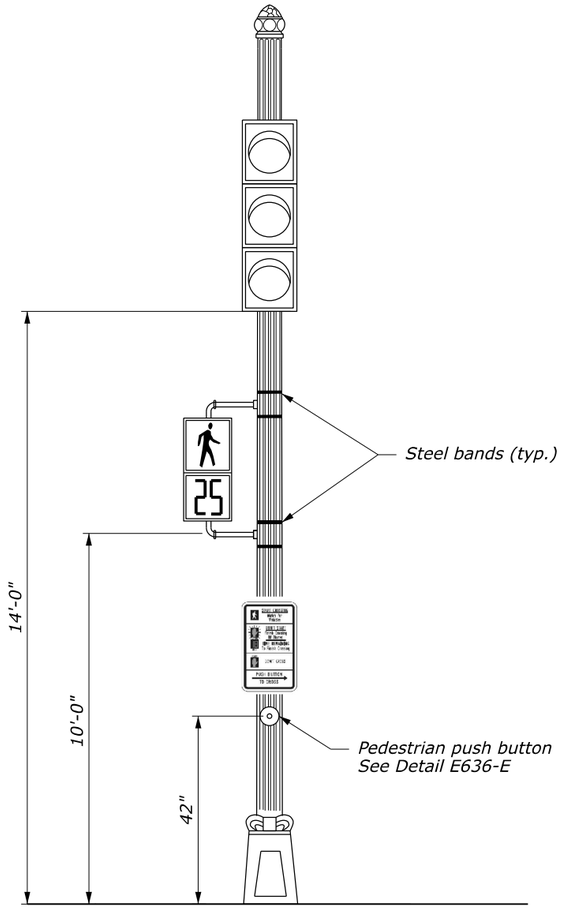
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S17

NOTES:

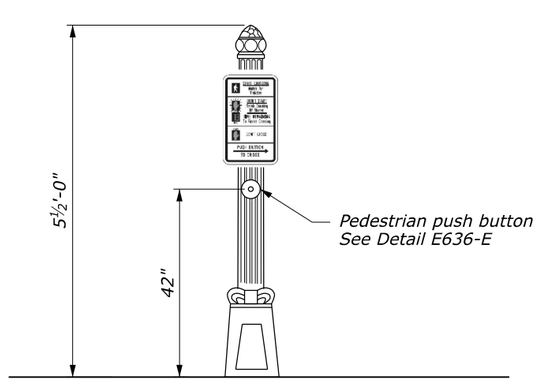
1. *Mount all new steel traffic signal poles on a transformer. See Detail E636-D for transformer base details.*
2. *Use stainless steel strapping to affix hardware to poles, unless otherwise specified.*



TWIN 20 STYLE LIGHTING STANDARD WITH LED RETROFIT UPGRADE



20 FOOT TALL STEEL TRAFFIC SIGNAL POLE



STEEL PEDESTAL POLE

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E636-A
TRAFFIC SIGNAL HARDWARE ARRANGEMENT ON METAL POLES	SPECIFICATION FP-24
	APPROVED FOR USE

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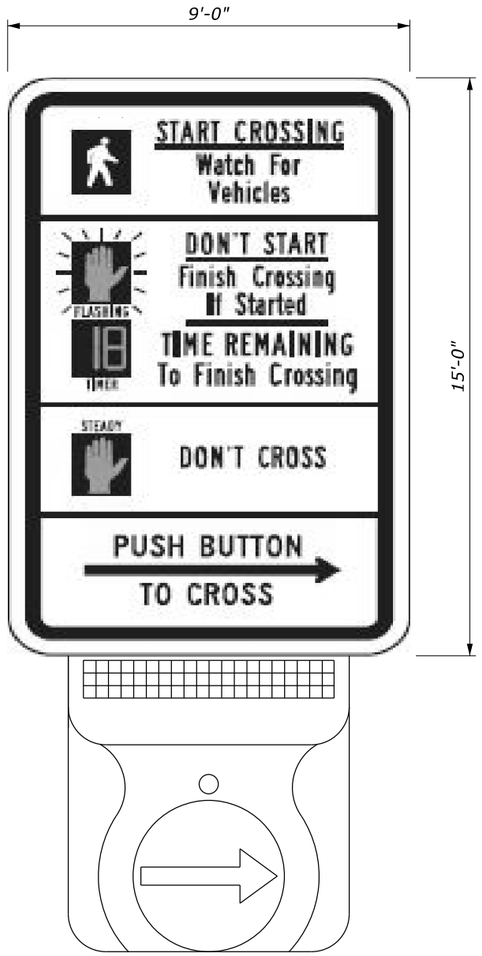
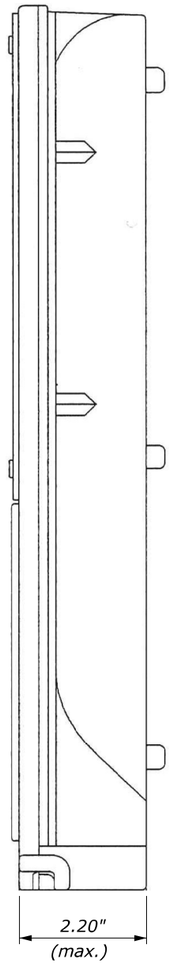
21 May 2026 2:38 PM

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXXXX

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S18



FRONT VIEW



SIDE VIEW

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E636-B
PEDESTRIAN PUSH BUTTON	SPECIFICATION FP-24
	APPROVED FOR USE

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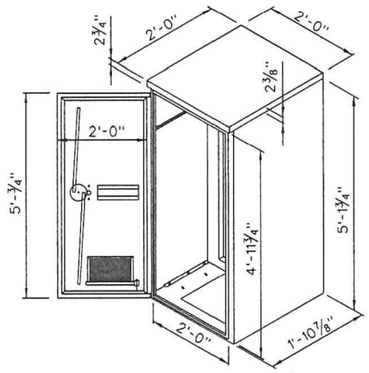
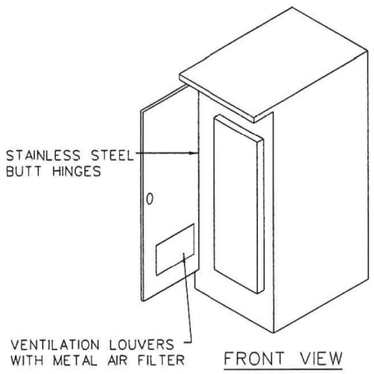
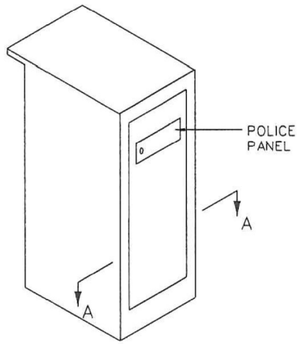
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S19

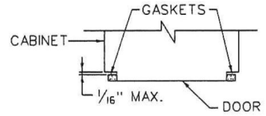




FRONT VIEW

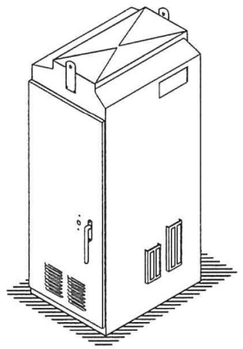


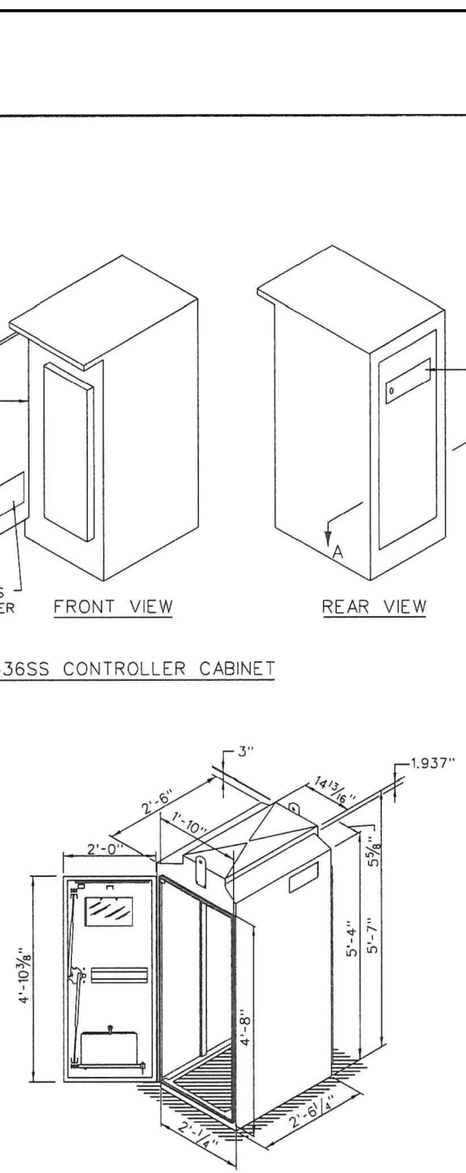
REAR VIEW



SECTION A-A

MODEL 336SS CONTROLLER CABINET





MODEL 332 CONTROLLER CABINET DETAILS

NOTE:

DO NOT PLACE CABINETS IN SIDEWALK.

Adopted from District of Columbia Department of Transporation Standard Drawings, August 2015, DWG. NO. 613.10

ISSUED: 8/2015	
REVISION	APPROVAL

RECOMMENDED: _____ PROJECT MANAGER

APPROVED: Muhammed Khalid CHIEF ENGINEER

TRAFFIC SIGNAL CONTROLLER CABINET DETAILS

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 613.10

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

TRAFFIC SIGNAL CONTROLLER CABINET DETAILS

EFLHD DETAIL E636-C

SPECIFICATION FP-24

APPROVED FOR USE

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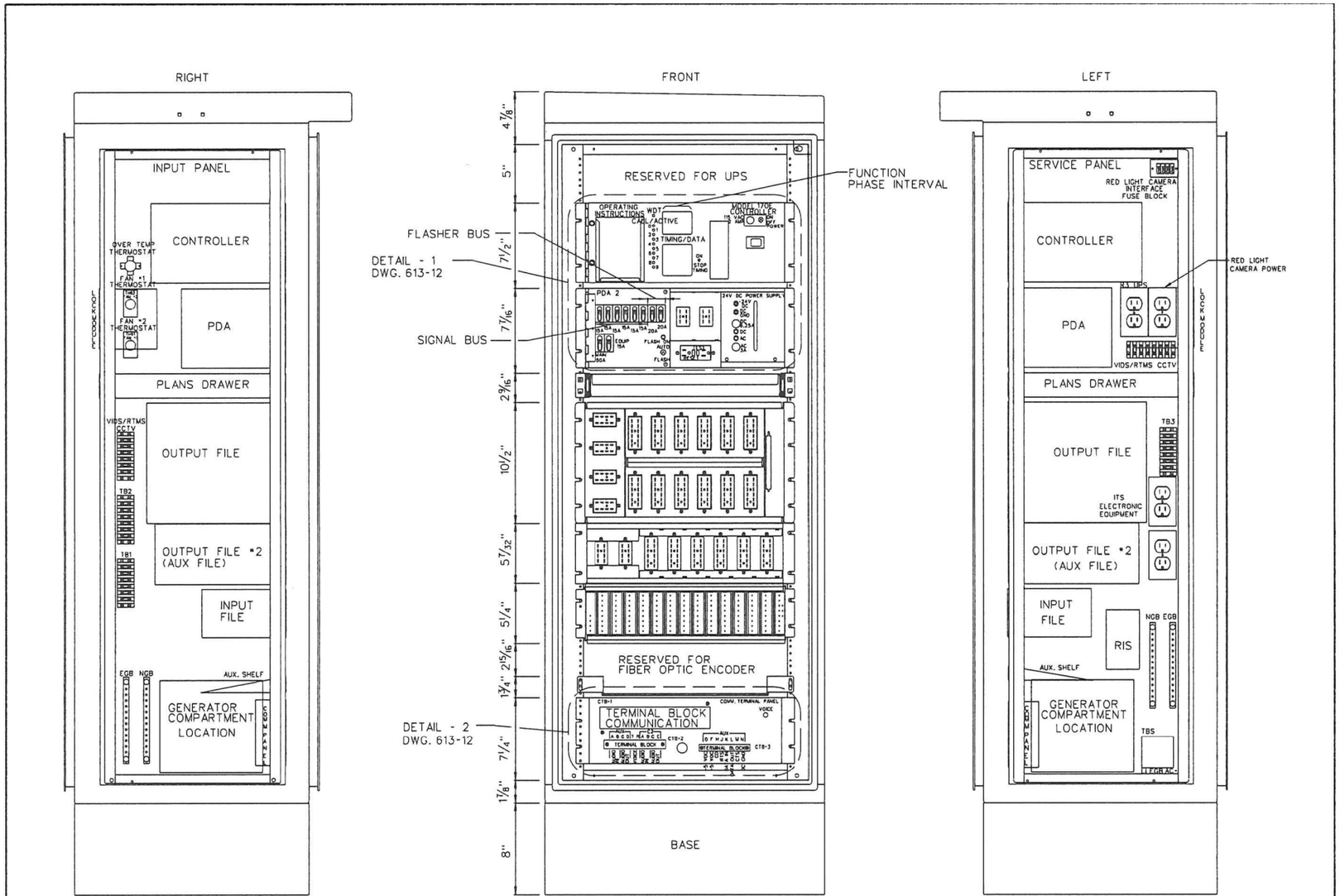
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S20



Adopted from District of Columbia Department of Transporation Standard Drawings, August 2015, DWG. NO. 613.11

ISSUED: 8/2015	
REVISION	APPROVAL

RECOMMENDED: _____ PROJECT MANAGER

APPROVED: Muhammed Khalid CHIEF ENGINEER

336SS TRAFFIC SIGNAL CABINET FRONT, LEFT, AND RIGHT VIEWS

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION

DWG. NO. 613.11

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

336SS TRAFFIC SIGNAL CABINET FRONT, LEFT, AND RIGHT VIEWS

EFLHD DETAIL E636-D

SPECIFICATION FP-24

APPROVED FOR USE

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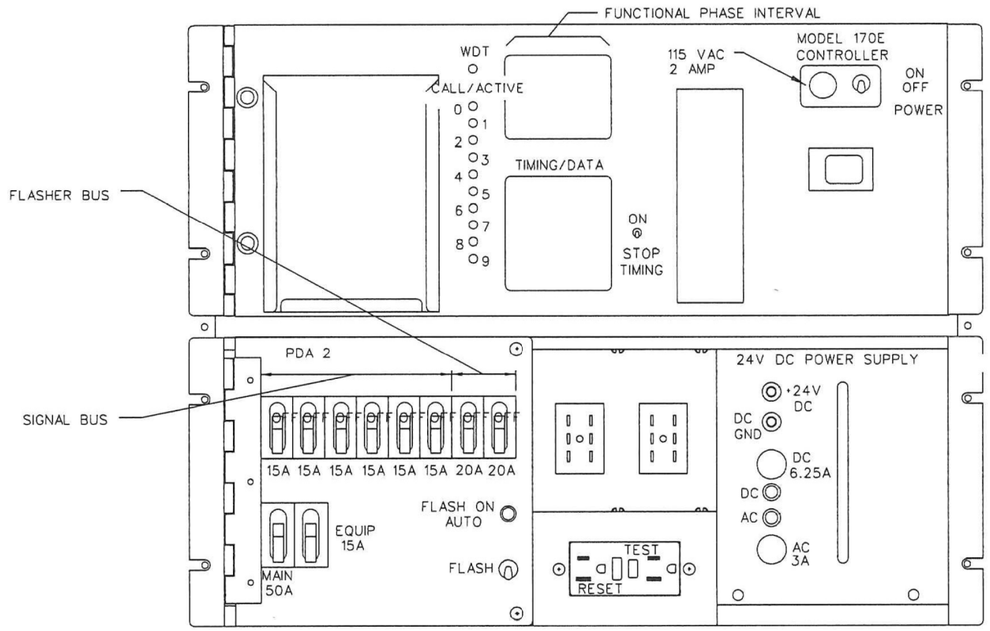
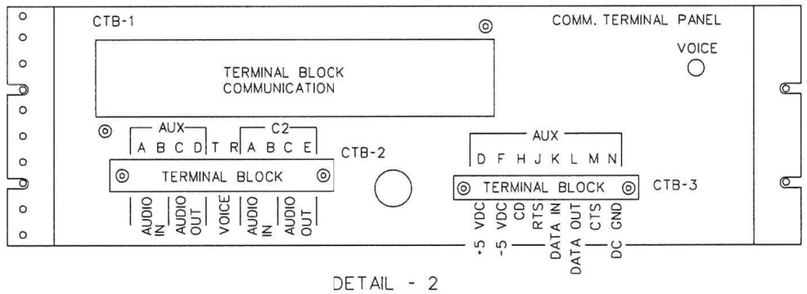
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S21



DETAIL - 1
DWG. 613.11



DETAIL - 2
DWG. 613.11

Adopted from District of Columbia Department of Transporation Standard Drawings, August 2015, DWG. NO. 613.12

ISSUED: 8/2015	
REVISION	APPROVAL

RECOMMENDED: _____ PROJECT MANAGER

APPROVED: Muhammed Khalid CHIEF ENGINEER

336SS TRAFFIC SIGNAL CABINET DETAILS

DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION

DWG. NO. 613.12

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

336SS TRAFFIC SIGNAL CABINET DETAILS

EFLHD DETAIL
E636-E
SPECIFICATION
FP-24
APPROVED FOR USE

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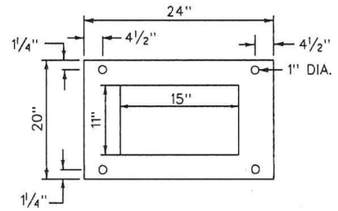
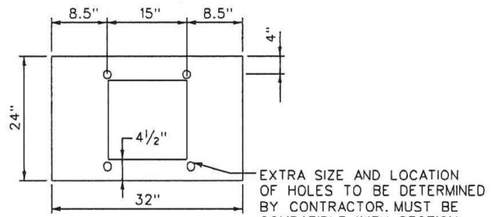
21 May 2026 2:38 PM

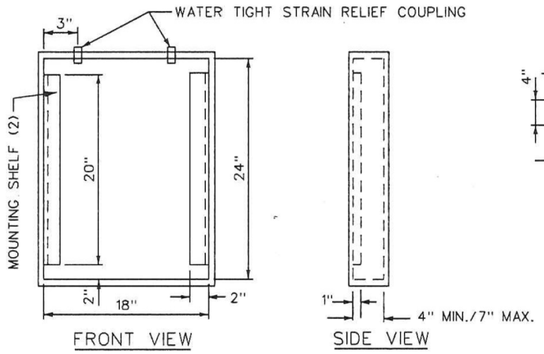


TOP VIEW



EXTRA SIZE AND LOCATION OF HOLES TO BE DETERMINED BY CONTRACTOR. MUST BE COMPATIBLE WITH SECTION D-D, DWG. NO. 613.11.

TOP VIEW



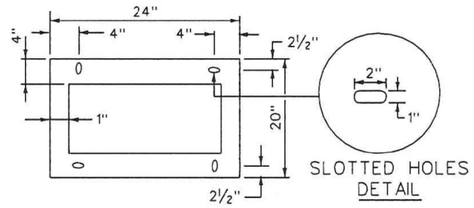
FRONT VIEW

SIDE VIEW

AERIAL TERMINATION CABINET

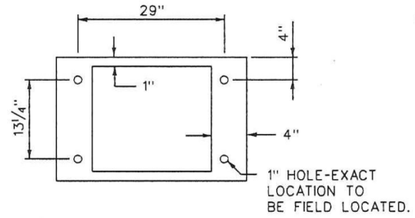
NOTES:

1. CABINET TYPE 3R ELECTRICAL ENCLOSURE.
2. THE SIZE OF THE WATER TIGHT STRAIN RELIEF COUPLINGS WILL BE SPECIFIED BY THE ENGINEER.
3. THE DOOR SHALL BE HINGED, AND LATCHED.
4. REAR OF THE CABINET SHALL HAVE TWO (2) WOOD POLE MOUNTING BRACKETS TO BE USED WITH METAL STRAPPING.
5. THE CABINET SHALL BE MADE OF ALUMINUM SHEET WITH A MIN. OF 0.125" THICKNESS.



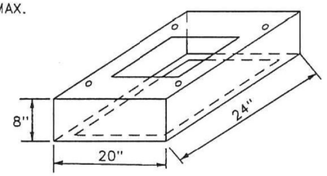
SLOTTED HOLES DETAIL

BOTTOM VIEW



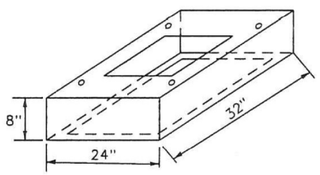
1" HOLE-EXACT LOCATION TO BE FIELD LOCATED.

BOTTOM VIEW



ADAPTOR BASE NO. 1

USE WITH STANDARD 336SS FOUNDATIONS



ADAPTOR BASE NO. 2

USE WITH FOUNDATIONS FOR 332 AND 336SS CABINETS ON EXISTING TYPE N FOUNDATIONS

CONTROLLER AND TERMINATION CABINET ADAPTOR BASES

NOTES:

1. WHEN ADAPTOR BASE NO. 2 IS USED FOR A TYPE 332 CABINET, NEW HOLES MUST BE DRILLED IN THE TOP PLATE. THE HOLES SHALL BE 29" APART ON THE LONG SIDE AND 13¼" APART ON THE SHORT SIDE (29"x13¼").
2. TYPE N FOUNDATIONS WILL NOT BE CONSTRUCTED.

Adopted from District of Columbia Department of Transporation Standard Drawings, August 2015, DWG. NO. 613.13

ISSUED: 8/2015	
REVISION	APPROVAL

RECOMMENDED: PROJECT MANAGER

APPROVED: Muhammed Khalid CHIEF ENGINEER

TRAFFIC SIGNAL AERIAL TERMINATION CABINETS AND CONTROLLER CABINET ADAPTER BASES

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 613.13

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

TRAFFIC SIGNAL AERIAL TERMINATION CABINETS AND CONTROLLER CABINET ADAPTER BASES

EFLHD DETAIL E636-F

SPECIFICATION FP-24

APPROVED FOR USE

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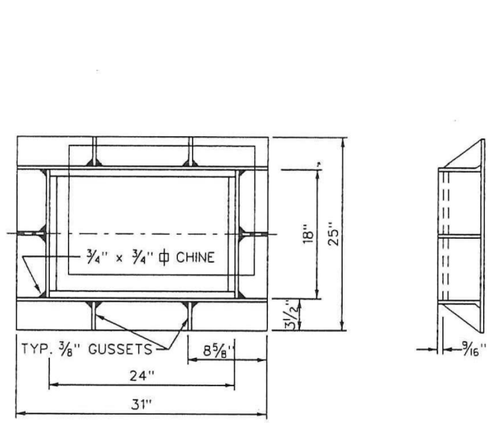
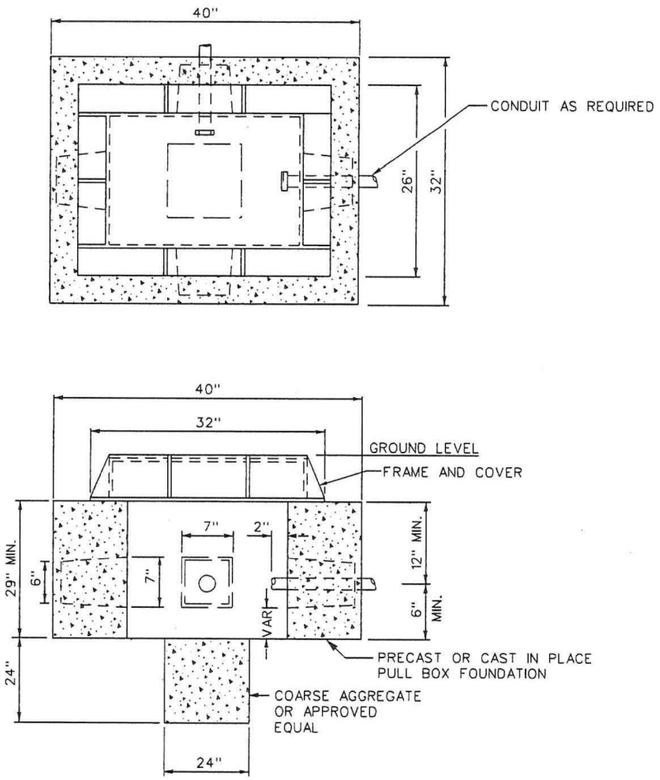
21 May 2026 2:38 PM

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S23



FRAME AND COVER



PULL BOX INSTALLATION

NOTES:

1. PULL BOX AND HANDBOX CONCRETE TO SATISFY D.C. SPECIFICATION 803.01 (3500 PSI).
2. SEE DWG. NO. 613.14 : GROUND ROD MAY BE REQUIRED IF MAST ARM POLE FOUNDATION IS CONNECTED TO THE PULL BOX.

Adopted from District of Columbia Department of Transporation Standard Drawings, August 2015, DWG. NO. 613.20

ISSUED: 8/2015	RECOMMENDED: PROJECT MANAGER
REVISION / APPROVAL	APPROVED: Muhammed Khalid CHIEF ENGINEER

TRAFFIC SIGNAL DISTRICT PULL BOX DETAILS

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 613.20

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

TRAFFIC SIGNAL DISTRICT PULL BOX DETAILS

EFLHD DETAIL	E636-G
SPECIFICATION	FP-24
APPROVED FOR USE	

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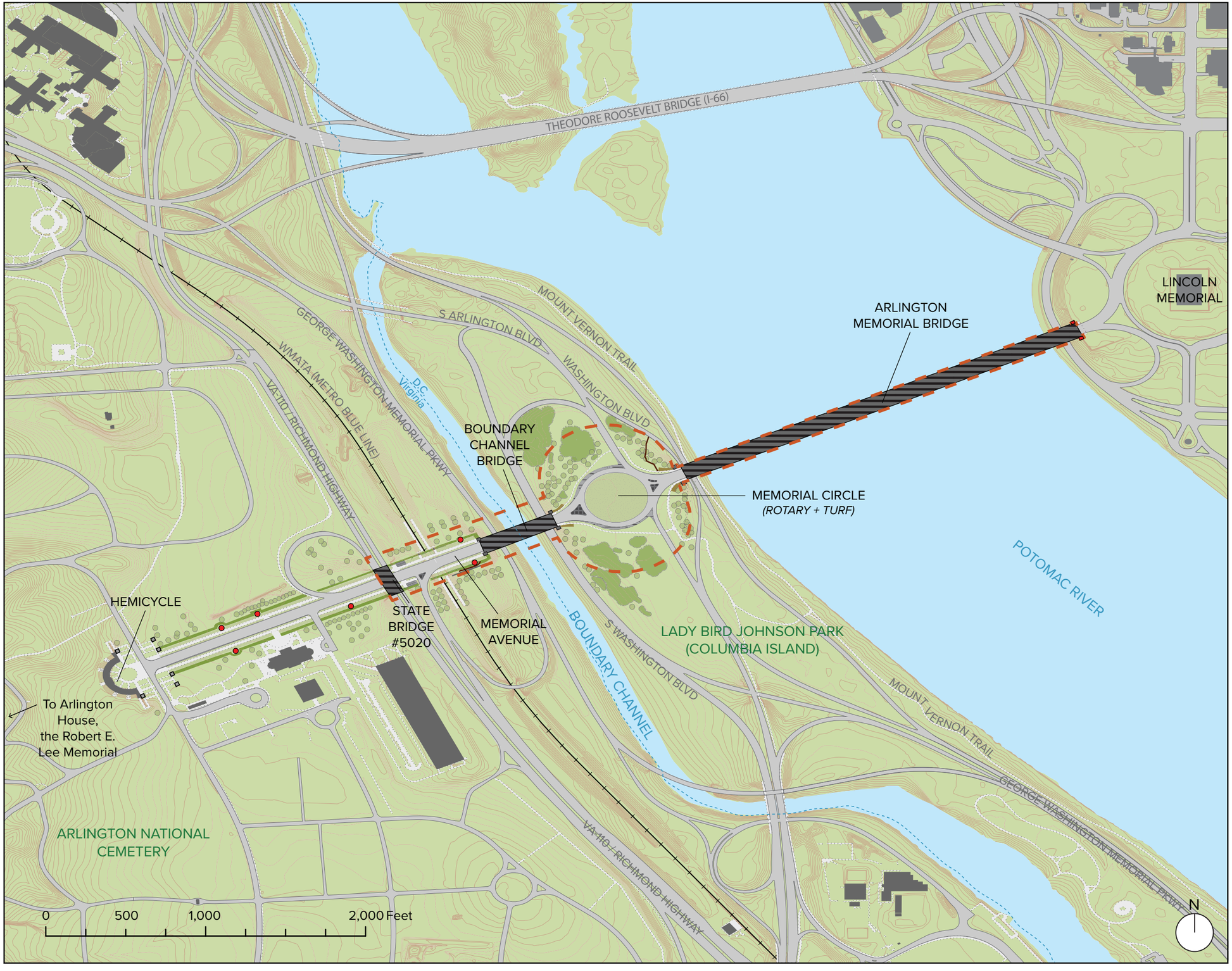
APPENDIX B. FIGURES



Memorial Avenue Corridor Cultural Landscape Report

George Washington Memorial Parkway

Locator Map

SOURCES

1. Open data DC, https://opendata.dc.gov/, accessed Sept. 2022
2. Field survey and data collection, 2022
3. Commonwealth of Virginia, DC GIS, Maxar, Microsoft (base imagery)
4. NPS Geospatial data

DRAWN BY

Ruth Penberthy / Chen Mao / Meg Frisbie / Molly Lester, University of Pennsylvania
ArcGIS Pro, Adobe Illustrator, 2023

LEGEND

- Cultural Landscape Boundary
- Topography (2ft intervals)
- Water
- Metro (WMATA) Line
- Building / Structure *(other than bridge)*
- Bridge (Structure)
- *Arts of War* (Structure)
- Memorial (Structure)
- Circulation - Road
- Circulation - Sidewalk
- Vegetation

NOTES

1. All features shown in approximate scale and locations
2. Vegetation locations, scale, and quantities are approximated from fieldwork and aerial photography

Weitzman School of Design
University of Pennsylvania
Urban Heritage Project
Department of Historic Preservation | PennPraxis
www.cultural-landscapes.org

DRAWING #1

Figure 1

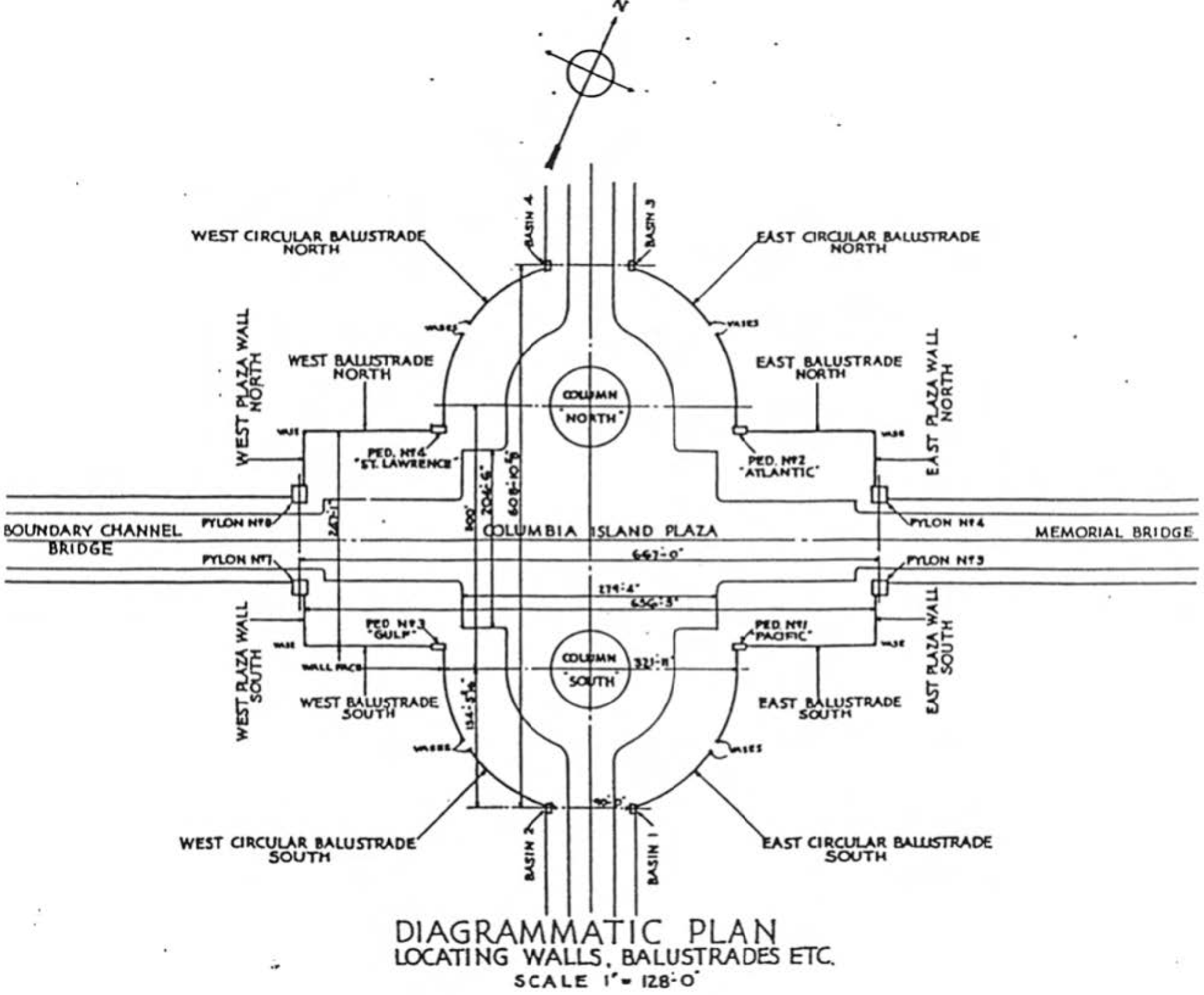
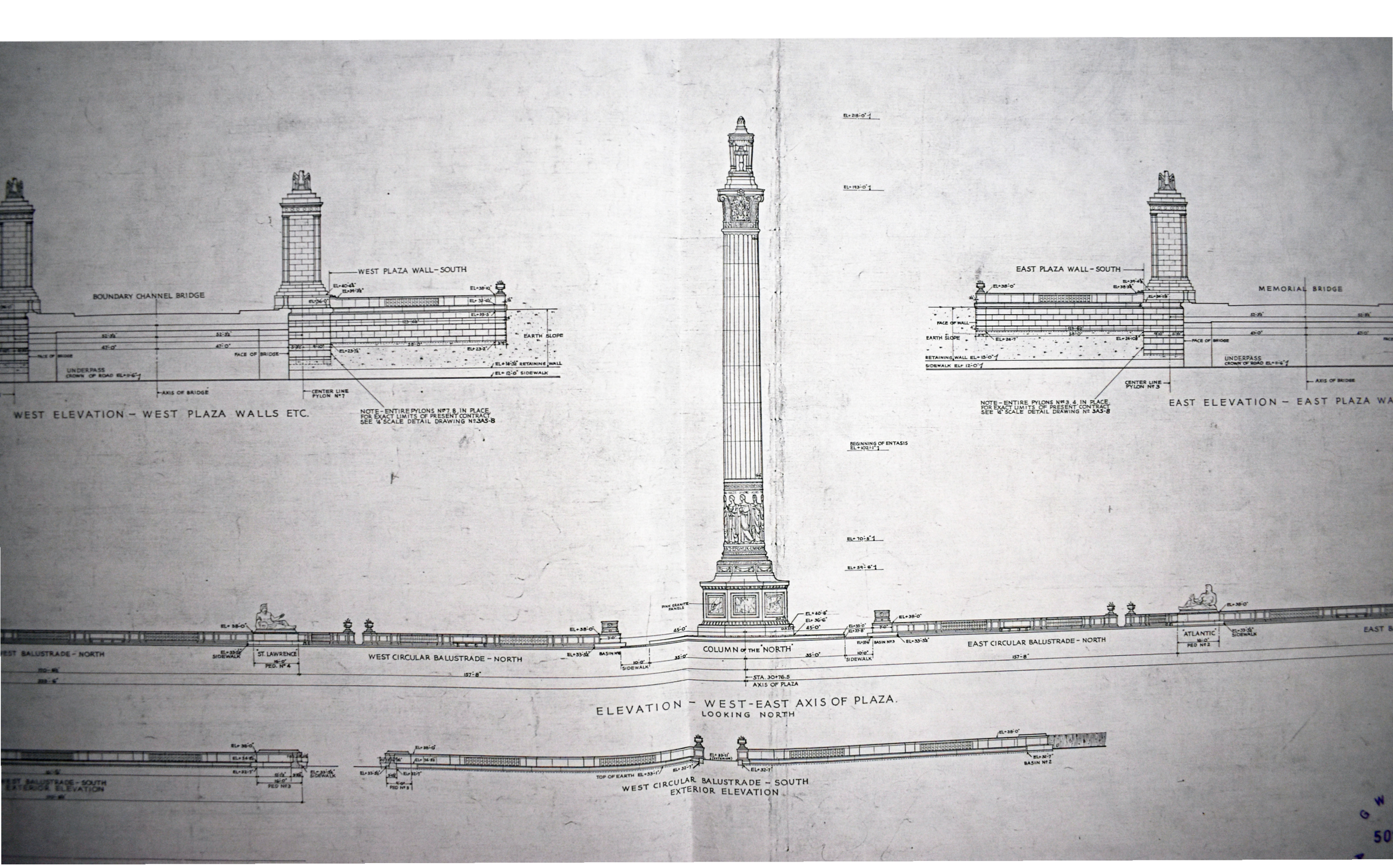

WEST CIRCULAR BALUSTRADE NORTH
BASIN 4
BASIN 3
EAST CIRCULAR BALUSTRADE NORTH
WEST PLAZA WALL NORTH
WEST BALUSTRADE NORTH
COLUMN "NORTH"
EAST BALUSTRADE NORTH
EAST PLAZA WALL NORTH
PED. N°4 "ST. LAWRENCE"
PED. N°2 "ATLANTIC"
PYLON N°8
PYLON N°4
BOUNDARY CHANNEL BRIDGE
COLUMBIA ISLAND PLAZA
MEMORIAL BRIDGE
PYLON N°1
PYLON N°3
WEST PLAZA WALL SOUTH
PED. N°3 "GULF"
PED. N°1 "PACIFIC"
COLUMN "SOUTH"
EAST PLAZA WALL SOUTH
WEST BALUSTRADE SOUTH
EAST BALUSTRADE SOUTH
WEST CIRCULAR BALUSTRADE SOUTH
BASIN 2
BASIN 1
EAST CIRCULAR BALUSTRADE SOUTH
DIAGRAMMATIC PLAN
LOCATING WALLS, BALUSTRADES ETC.
SCALE 1" = 128'-0"

Figure 2

WEST ELEVATION - WEST PLAZA WALLS ETC.



ELEVATION - WEST-EAST AXIS OF PLAZA.
LOOKING NORTH

EAST ELEVATION - EAST PLAZA WA

Figure 3

Area of Potential Effects on Historic Properties

George Washington Memorial Parkway
Washington, D.C.

Area of Potential Effects on Historic Properties | Triumphal Arch Site

National Register Historic Properties

Sources

1. ESRI World Imagery Basemap
2. NCR Cultural Resources GIS

LEGEND

- Area of Potential Effects
- Direct Effects Boundary
- Project Area
- Construction Staging Area
- Potential Utility Corridors

Individual Structures

- 6 Arlington House (Robert E. Lee Memorial)
- 15 Lockkeeper's House, C & O Canal Extension
- 16 56 Signers Memorial
- 20 Civil War Monuments in Washington, D.C. (Adjacent Lands)
- 23 American Revolutionary Statuary in the District of Columbia
- 25 Cuban Friendship Urn
- 30 Quarters 1 (NHL- Adjacent Lands)
- 33 Washington Canoe Club
- 39 U.S. Capitol Gatehouses and Gateposts

District Boundaries

- 2 Arlington Memorial Bridge and Related Features
- 4 Arlington National Cemetery Historic District
- 5 Arlington House Historic District (also known as Robert E. Lee Historic District)
- 8 Lyndon Baines Johnson Memorial Grove on the Potomac
- 9 Mount Vernon Memorial Highway
- 11 Lincoln Memorial
- 12 National Mall
- 13 World War II Memorial
- 14 Martin Luther King Jr. Memorial
- 18 Washington Monument and Grounds Historic District
- 21 Rock Creek Park and Potomac Parkway Historic District
- 22 East and West Potomac Parks Historic District
- 26 Franklin Delano Roosevelt Memorial
- 27 Arlington Ridge Park
- 28 Pentagon (NHL- Adjacent Lands)
- 29 Fort Myer Historic District (NHL- Adjacent Lands)
- 31 Theodore Roosevelt Island
- 35 Thomas Jefferson Memorial
- 37 DC War Memorial
- 38 United States Capitol (NHL- Adjacent Lands)
- 40 Smithsonian Building (NHL- Adjacent Lands)
- 41 Georgetown Historic District (NHL- NPS and Adjacent Lands)
- 42 Old Naval Observatory (NHL- Adjacent Lands)
- 43 Pennsylvania Avenue National Historic Site

Notes

1. Projection: NAD 1983
2. PRELIMINARY (2026)

National Park Service
National Capital Region

Drawing #1

Area of Potential Effects on Historic Properties

George Washington Memorial Parkway
Washington, D.C.

Area of Potential Effects on Historic Properties | Triumphal Arch Site

National Register Historic Properties

Sources

1. ESRI World Imagery Basemap
2. NCR Cultural Resources GIS

Legend

- Area of Potential Effects
- Direct Effects Boundary
- Project Area
- Construction Staging Area
- Potential Utility Corridors

Individual Structures

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- 15 Lockkeeper's House, C & O Canal Extension
- 16 56 Signers Memorial
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- 27 Arlington Ridge Park
- 28 Pentagon (NHL- Adjacent Lands)
- 29 Fort Myer Historic District (NHL- Adjacent Lands)
- 31 Theodore Roosevelt Island
- 35 Thomas Jefferson Memorial
- 37 DC War Memorial
- 40 Smithsonian Building (NHL- Adjacent Lands)
- 42 Old Naval Observatory (NHL- Adjacent Lands)
- 43 Pennsylvania Avenue National Historic Site

Notes

1. Projection: NAD 1983
2. PRELIMINARY (2026)

National Park Service
National Capital Region

Drawing #1A

0 0.125 0.25 0.5 Miles

Area of Potential Effects on Historic Properties

George Washington Memorial Parkway
Washington, D.C.

Area of Potential Effects on Historic Properties | Triumphal Arch Site

Cultural Landscapes

Sources

1. ESRI World Imagery Basemap
2. NCR Cultural Resources GIS

Legend

- Area of Potential Effects
- Direct Effects Boundary
- Project Area
- Construction Staging Area
- Potential Utility Corridors

- 1 Memorial Avenue Corridor
- 3 Lady Bird Johnson Park
- 7 Arlington House
- 8 Lyndon Baines Johnson Memorial Grove on the Potomac
- 10 Lincoln Memorial
- 17 The Mall
- 19 Washington Monument Grounds
- 24 Mount Vernon Memorial Highway - North of Alexandria
- 27 Arlington Ridge Park
- 32 Theodore Roosevelt Island
- 33 Washington Canoe Club
- 34 George Mason Memorial
- 36 Thomas Jefferson Memorial
- 37 DC War Memorial

Notes

1. Projection: NAD 1983
2. PRELIMINARY (2026)

National Park Service
National Capital Region

Drawing #2

Area of Potential Effects on Historic Properties

George Washington Memorial Parkway
Washington, D.C.

Area of Potential Effects on Historic Properties | Triumphal Arch Site

Cultural Landscapes

Sources

1. ESRI World Imagery Basemap
2. NCR Cultural Resources GIS

Legend

- Area of Potential Effects
- Direct Effects Boundary
- Project Area
- Construction Staging Area
- Potential Utility Corridors

- 1 Memorial Avenue Corridor
- 3 Lady Bird Johnson Park
- 7 Arlington House
- 8 Lyndon Baines Johnson Memorial Grove on the Potomac
- 10 Lincoln Memorial
- 17 The Mall
- 19 Washington Monument Grounds
- 24 Mount Vernon Memorial Highway - North of Alexandria
- 27 Arlington Ridge Park
- 32 Theodore Roosevelt Island
- 34 George Mason Memorial
- 36 Thomas Jefferson Memorial
- 37 DC War Memorial

Notes

1. Projection: NAD 1983
2. PRELIMINARY (2026)

National Park Service
National Capital Region

Drawing #2A

APPENDIX D. HISTORIC PROPERTIES AND ASSESSMENT OF ADVERSE EFFECTS TABLES

Table 1. Historic Properties within the Area of Direct Effects

Map ID	Resource Name		NRHP Designation
1	Memorial Avenue Corridor Cultural Landscape		National Register of Historic Places (NRHP) cultural landscape
		Memorials: 101st Airborne Division Memorial, 4th Infantry Division Memorial, American Armored Force Memorial, Seabees Memorial, United Spanish War Veterans Memorial (The Hiker), Women in Military Service for America Memorial	Contributing
		Statues and Monuments: Arts of War-Sacrifice, Arts of War-Valor, Rear Admiral Richard Evelyn Byrd Monument	Contributing
		Arlington Hemicycle and Pylons	Contributing
		Arlington Hemicycle circular pool (including basin in central niche)	Contributing
		Arlington National Cemetery Gates and Gate Pylons (Gatehouses)	Contributing
2		Arlington Memorial Bridge and Related Features	Contributing/NRHP
		Memorial Avenue Bridge (Arlington Memorial Bridge Extension, also referenced as Boundary Channel Bridge)	Contributing
		Memorial Circle Pylons	Contributing
		Circulation: Memorial Avenue, Memorial Circle, and the pedestrian system on the two bridges (Memorial and Arlington) and avenues	Contributing
		Boundary Channel below Memorial Avenue Bridge (Arlington Memorial Bridge Extension)	Contributing
		Small-scale features: original cast-iron inlet grates along both bridges and Memorial Avenue; Washington standard lampposts, "Durax" centerline of Memorial Avenue and both bridges; granite block "Durax" surface of Memorial Avenue Bridge; granite curbstones; granite header stones at the ends of bridges; granite lamppost bases; paving of sidewalks on two bridges and avenue, and triangular "islands" of granite blocks at east and west ends of Memorial Circle	Contributing
		Vegetation: Grass panels and Holly hedge along Memorial Avenue, White oak border of Memorial Avenue, White pines at four pylons near Memorial Circle, White oaks near Arlington Cemetery gates and hemicycle stairways, Yews along hemicycle stairways and wrought iron fence	Contributing
		Views and vistas: View of the Washington Monument from various locations along the corridor, view to hemicycle and Arlington House - the Robert E. Lee Memorial, view to Lincoln Memorial, views of green parkland along both sides of Potomac from Arlington Memorial Bridge, and views to river, the Capitol dome, and other monuments from Memorial Circle	Contributing
3	Lady Bird Johnson Park Cultural Landscape		NRHP cultural landscape
		Circulation: George Washington Memorial Parkway (GWMP) (see below under George Washington Memorial Parkway Cultural Landscape); Lyndon B. Johnson Memorial Grove; Memorial Circle; Mount Vernon Memorial Highway; Mount Vernon Trail (southern portion, to Humpback Bridge); Columbia Island Marina, parking lot and entrance to Lyndon Baines Johnson (LBJ) Memorial Grove	Contributing
		Vegetation: All of the stone plantings, Cottonwoods, crabapple, pear and elm trees remaining from 1932 planting, daffodils, dogwoods, large white pines near pylons, plantings of LBJ Memorial Grove, yews at Navy and Merchant Marine Memorial	Contributing

Map ID	Resource Name		NRHP Designation
		Buildings and Structures: Arlington Memorial Bridge Boundary Channel Extension; Bridge over Boundary Channel; Boundary Channel Bridge (New); Columbia Island Marina snack bar; Memorial Circle, four pylons; rip rap, historic, south end of island; LBJ Memorial Grove, wooden entrance deck on Virginia shore including walks, stone walls, etc.; LBJ Memorial Grove, megalith; LBJ Memorial Grove, flagstone plaza; LBJ Memorial Grove, entire site; LBJ Memorial Grove, pedestrian bridge; Navy and Merchant Marine Memorial; flagstone plaza; U.S. Route 50 Overpass, westbound; Washington Boulevard Bridge; Washington Boulevard Overpass; Arlington Memorial Bridge; LBJ Memorial Grove, low stone-and-concrete wall along flagstone walk	Contributing
		Views and vistas: GWMP, northbound views north of Arlington Memorial Bridge to Theodore Roosevelt Island, D.C. shoreline, Kennedy Center; GWMP, northbound views to LBJ Memorial Grove, megalith, and Navy and Merchant Marine Memorial; GWMP, northbound views to Washington shoreline and National Mall; GWMP, northbound views up river to Arlington Memorial Bridge; LBJ Memorial Grove views and vistas along entry route, from plaza on VA shore, across bridge, along walks to meadow area and to Grove and flagstone plaza; LBJ Memorial Grove vistas from flagstone plaza to National Mall and East and West Potomac Parks; Memorial Circle views east to Lincoln Memorial, west to Arlington House and Arlington National Cemetery, north up island and south down island; Mount Vernon Trail views along trail near Potomac River shore, corresponding to views from northbound and southbound GWMP	Contributing
		Small-scale features: benches, granite panels, light posts, plaque, drinking fountains, guardrails	Contributing
		Water features: Boundary Channel; Columbia Lagoon (also called Columbia Basin, Pentagon Lagoon)	Contributing
4	Arlington National Cemetery Historic District		NRHP historic district
		Vegetation and Landscapes: Argonne Cross Landscape; Arlington Hemicycle Landscape; Chaplains Hill; Civil War Unknowns Landscape; Columbarium Courts Landscape; Confederate Memorial Section; Custis Woods; James Tanner Amphitheater; Kennedy Family Gravesites; Memorial Amphitheater; Memorial Arboretum; Millenium Woods and Stream; Nurses Memorial Associated Features; Pershing Gravesite Landscape; Red Spring Landscape; Scatter Area; Trees, Medal of Honor; Trees, Memorial Tres; Trees, State Champions and Co-Champions; U.S. Coast Guard Memorial; picturesque plantings patterns, hedgerows, oak trees	Contributing
		Views and vistas: View of Air Force Memorial; View of Arlington House from Kennedy Memorial; View to Arlington House down Crook Walk from Memorial Amphitheater; View of Arlington National Cemetery (ANC) from Memorial Bridge Memorial Drive, and Lincoln Memorial; View of ANC from Washington D.C. Potomac Shoreline (between 14th Street Bridge and Memorial Bridge); View of Lincoln Memorial and Washington Monument from Arlington House, Kennedy Gravesite; View to Main Gates from Southern perspective and Northern perspective; Views to Memorial Amphitheater from various locations; View to Netherlands Carillon; View of Old Amphitheater from various locations; View of the Pentagon from Pentagon Memorial; View to Spanish-American War Memorial from U.S.S Maine Memorial; View to U.S.S Maine Memorial from Memorial Amphitheater; View toward Fort Myer Gate and Chapel from ANC; Views of Washington Monument from ANC	Contributing
		Boundary Gates, Demarcations and Walls: Welcome Center Gate; Welcome Center Parking Gate; Administration Building Gate; East /Jefferson Davis Highway Gate; Service Complex Gate; South/Clayton Gate; Hobson Gate; Memorial Chapel Gate; West Gate (Selfridge); Fort Meyer/Old Post Chapel Gate; Ord & Weitzel Gate (New); Memorial Avenue north gate; Memorial Avenue south gat	Contributing
		Circulation Systems: Crook Walk; Custis Walk; Custis Walk Extension; Footbridges, Crook Walk; Memorial Avenue ("Avenue of Heroes"); Memorial Avenue Fountain Plaza; Memorial Avenue West Terminus (Cobblestone Drive); Millenium Bridge (Gifford Drive Bridge); Pedestrian Bridge; Road System; Sidewalks; Stairs and stone steps	Contributing
		Drainage Features: Select Drainage Ditches and Culverts; Historic Concrete Channels; Red Spring	Contributing

Map ID	Resource Name		NRHP Designation
		Monuments and Memorials: 2nd Connecticut (Volunteer) Heavy Artillery Regiment; Civil War Headstones; Confederate Headstones; 1903 Government Headstones; USCT and Freedman Village Residents; “Standard” Headstones; Flat Headstones; Victorian-Era Monuments; Group Headstones; 3rd Infantry Division Memorial; 4th Infantry (Ivy) Division Memorial; 101st Airborne Division Memorial; Air Force Memorial Complex; Apollo 1 Memorial Plaque; Argonne Cross (and associated features); Armored Forces Memorial; Chaplains Hill; Battle of the Bulge Memorial; Richard Evelyn Byrd Memorial; Canadian Cross Memorial; Civil War Unknown; Confederate Memorial; Iran Rescue Mission Memorial; John F. Kennedy Memorial Gravesite; Robert F. Kennedy Memorial Gravesite; Korean War Veterans Memorial; Nurses Memorial; Office of Strategic Services Memorial; Pan Am Flight 103 Memorial; Pentagon Group Burial Marker; Rough Riders Memorial; Space Shuttle Challenger Memorial; Space Shuttle Columbia Memorial; Spanish-American War Memorial; Third Infantry Division Memorial; Tomb of Remembrance; Tomb of the Unknowns and Associated Features; U.S. Coast Guard Monument; U.S.S. Maine Memorial; U.S.S. Serpens Memorial; U.S.S Thresher Memorial; Unknown Dead of 1812; Tree Memorial Markers & Living Memorials	Contributing
		Memorial Graves: Custis Graves; George Crook; Sir John Dill Monument; Matthew Henson; Philip Kearny Monument; Edward M. Kennedy; Major Pierre L’Enfant; Robert Todd Lincoln; Audie Murphy; Gen. John Pershing; Robert Edwin Peary; Mary Randolph; Wallace Fitz Randolph; Revolutionary War Ground Tablets; Philip Henry Sheridan; William H. Taft; John Wingate Weeks; MG Horatio Wright	Contributing
		Small-scale features: Arlington House Flagpole, benches, bollards, drinking fountains, exterior lighting,	Contributing
		Arlington House	Contributing/NRHP
		Arlington Memorial Bridge	Contributing/NRHP
		Arlington House Cultural Landscape	Contributing/NRHP
		Arlington Hemicycle / Military Women’s Memorial	Contributing
		Administration Building	Contributing
		Columbarium Pavilion 1	Contributing
		Columbarium Pavilion 2	Contributing
		Millenium Pavilion 11	Contributing
		Millenium Pavilion 12	Contributing
		Hemicycle (“The Court of Honor”, “The Great Entrance”, Military Women’s Memorial)	Contributing
		Lodge 1 (Superintendent’s Lodge)	Contributing
		Lodge 1 Gazebo	Contributing
		Lodge 2 (Assistant Superintendent's Lodge)	Contributing
		Lodge 2 Garage	Contributing
		Memorial Amphitheater	Contributing
		Old Amphitheater (James R. Tanner Amphitheater)	Contributing
		Parking: Chaffee Lot; Funereal Queuing; Wheaton Lot	Contributing

Map ID	Resource Name		NRHP Designation
		Receiving Vault	Contributing
		Service Complex #1 (4 buildings)	Contributing
		Service Complex #2 (8 buildings)	Contributing
		Tourmobile (Tram) Bus Stop Structure (Tour Bus Shelter)	Contributing
		Welcome Center (Visitor's Center)	Contributing
5	Arlington House Historic District (also known as Robert E. Lee Historic District)		NRHP historic district
		Site: Landscape and associated features	Contributing
6		Arlington House (also known as the Robert E. Lee Memorial)	Contributing/NRHP
		North Slave Quarter and Kitchen	Contributing
		South Slave Quarter, Storehouse, and Smokehouse	Contributing
		Potting Shed	Contributing
		National Park Service Administration Building, 1931	Contributing
		Mary Randolph's Tomb	Contributing
		Custis Burial Plot	Contributing
		Civil War-era Officers' Graves and Grave Markers Site along Lee Avenue and East of Mansion	Contributing
		Well, ca. 1805, superstructure	Contributing
		Civil War Unknown Soldiers Monument, 1866	Contributing
		Arlington National Cemetery Old Amphitheater	Contributing
		General Sheridan, Admiral Porter, and General Wright Monuments	Contributing
		Pierre Charles L'Enfant Grave and Monument	Contributing
		Arlington House Cultural Landscape	Contributing
7	Arlington House Cultural Landscape		NRHP cultural landscape
		Land Use: Arlington Woods; Flower and Vegetable Gardens	Contributing
		Spatial Organization: Building locations; yard; garden terraces; Arlington Woods	Contributing
		Buildings and Structures: Arlington House; North Slave Quarters; South Slave Quarters; Potting shed; Below-ground section of well	Contributing

Map ID	Resource Name		NRHP Designation
		Circulation: Trace road at the north end of Arlington Woods; Flower garden central path; Kitchen garden central path; East/west oriented road connecting Lee Drive and Sherman Avenue between yard and flower garden; Potting shed access road; Portion north/south section of Custis Walk on National Park Service property	Contributing
		Vegetation: trees in mixed hardwood forest of Arlington Woods ravine	Contributing
		Views and Vistas: View between Arlington House and Washington, D.C.; View between kitchen garden, through yard to flower garden; view north and south along Lee Drive	Contributing
		Small-scale features: rectangular cut bench or mounting stone	Contributing
8	LBJ Memorial Grove		NRHP
9	Mount Vernon Memorial Highway		NRHP historic district
		Richmond, Fredericksburg & Potomac Railroad (RF&P) Underpass	Contributing
		Route 1/I-395 Downstream Underpass	Contributing
		Route 1/I-395 Upstream Underpass	Contributing
		Mount Vernon Memorial Highway alignment	Contributing
		Mount Vernon Trail adjacent to the Mount Vernon Memorial Highway	Contributing
10	Lincoln Memorial Cultural Landscape		NRHP cultural landscape
		Spatial organization: axial relationship with the Mall, axial alignment of the Lincoln Memorial statue with the Approachway, Washington Monument, and U.S. Capitol, axiality of the Reflecting Pool, radial arrangement of central rond-point around Lincoln Memorial Circle, radial arrangement of secondary allées, descent of the Watergate plaza and steps to the Potomac River, location of monuments and memorials establishing the landscapes termini, layout of Ohio Drive SW and Parkway Drive NW along the western edge of the cultural landscape, parallel with the Potomac River shoreline, Open character of playing fields and turf panels between the radial roads and the parkway	Contributing
		Land Use: Commemorative land use as a memorial landscape, dedicated to President Abraham Lincoln, John Ericsson, and Martin Luther King, Jr., Commemorative use as a memorial tree grove, dedicated to the individuals and organizations represented, a space of protest associated with the Civil Rights Movement and First Amendment causes, passive and active recreational use	Contributing
		Topography: Generally flat topography consistent with the construction of East/West Potomac Parks via reclamation, Mounded (round point) topography within Lincoln Memorial Circle, Steeply sloped topography on the east and west sides of Lincoln Memorial Circle, descending to the Reflecting Pool and the Potomac River, Gently sloping topography from the Belvedere and Parkway Drive to 23rd Street NW, Steeply sloping abutments flanking the Parkway Drive and Arlington Memorial Bridge overpasses	Contributing
		Vegetation: plantings in Lincoln Memorial Circle, elm allées and trees, turf island at Constitution Avenue Belvedere, turf panels along Reflecting Poll, in Lincoln Memorial Circle, and between radial roads and parkway, plantings along Watergate Steps area and approach road, remnant naturalistic groves of memorial trees	Contributing

Map ID	Resource Name		NRHP Designation
		Circulation: Lincoln Memorial Circle and associated concrete sidewalks, Parkway Drive NW and associated concrete sidewalks, 23rd Street NW/SW and associated concrete sidewalks, Henry Bacon Drive NW and associated concrete sidewalks, Daniel French Drive SW and concrete sidewalk on northeast side, Ohio Drive SW and associated concrete sidewalks, traffic circle and concrete sidewalks at the Belvedere, gravel service road to underground storage area, remnant bridle paths west of Lincoln Memorial Circle, primary, east-west asphalt allée paths, Secondary, north-south concrete paths at east end of Reflecting Pool, Paths and stairs between Reflecting Pool plaza and Lincoln Memorial Circle, Approachway, raised terrace stairs, and stylobate, Gravel walk around outer edge of raised terrace, Lincoln Memorial Circle former parking area, including granite block edging, Watergate Steps area concrete sidewalks, Concrete sidewalks around Ericsson Monument, Concrete sidewalk along south side of Constitution Avenue	Contributing
		Potomac River seawall between Theodore Roosevelt Bridge and John Ericsson Monument	Contributing
11		Lincoln Memorial statue and structure, including raised terrace, marble stylobate steps, and granite walls	Contributing/NRHP
		John Ericsson Monument* and compass terrace	Contributing
		Parkway Drive overpass, including integrated balustrades and benches	Contributing
		Statuary on approach pedestals (Music and Harvest, and Aspiration and Literature)	Contributing
		Underground storage area and retaining walls on Parkway Drive NW	Contributing
		Watergate Steps including plaza wing walls, integrated balustrades and benches	Contributing
		Constitution Avenue Belvedere	Contributing
		Reflecting Pool	Contributing
		Views and vistas: reciprocal views along and between contributing features, panoramic views from the Lincoln Memorial structure toward Watergate Steps, Arlington Memorial Bridge, Arlington House—The Robert E. Lee Memorial, and Parkway Drive, and framed views long Lincoln Memorial porticoes	Contributing
		Small-scale features: granite benches at entrance to Approachway	Contributing
		Small-scale features: cast-iron frame wooden slat benches, Alaska and Hawaii plaque, Martin Luther King Jr “I have a Dream” plaque, memorial tree plaques, Washington Standard lampposts, and Twin-20 lampposts.	Managed as cultural resource
12	National Mall Historic District		NRHP historic district
		Vistas/Views: views from Mall to Union Square; views to building facades from Mall; views up cross streets; vista Capitol to Washington Monument	Contributing
		Circulation roads and walkways and small-scale features	Contributing
		The Mall (Reservation Nos. 3, 3A, 3B, 4, 5, 6, and 6A)	Contributing site/NRHP
		Reservation No. 553	Contributing site
		Reservation No. 201	Contributing site
		National Gallery of Art Sculpture Garden	Contributing site
		President’s Park South	Contributing site

Map ID	Resource Name		NRHP Designation
		Ellipse	Contributing site
		Washington Monument Grounds (Reservation No. 2)	Contributing site
		Sylvan Theater	Contributing site
		German-American Friendship Garden	Contributing site
		West Potomac Park (Reservation No. 332)	Contributing site
		Constitution Gardens	Contributing site
		Vietnam Veterans Memorial	Contributing site
		Lincoln Memorial grounds	Contributing site
		District of Columbia War Memorial grounds	Contributing site
		Korean War Veterans Memorial	Contributing site
13		World War II Memorial	Contributing site
		Thomas Jefferson Memorial grounds	Contributing site
		Franklin Delano Roosevelt Memorial	Contributing site
		George Mason Memorial	Contributing site
14		Martin Luther King, Jr. Memorial	Contributing site/NRHP
		Lock B Archeological Site	Contributing site
		Lockkeeper's House Foundation Archeological Site	Contributing site
		White House Stable Archeological Site	Contributing site
		Tiber Creek Sewer Archeological Site	Contributing site
		Smithsonian Institution Building	Contributing building
		Arts and Industries Building	Contributing building
		U.S. Department of Agriculture Administration Building	Contributing building
		National Museum of Natural History	Contributing building
		Freer Gallery of Art	Contributing building
		National Gallery of Art West Building	Contributing building
		National Museum of American History	Contributing building
		Hirshhorn Museum and Sculpture Garden	Contributing building
		National Air and Space Museum	Contributing building

Map ID	Resource Name		NRHP Designation
		National Gallery of Art East Building	Contributing building
		Quadrangle	Contributing building
		National Museum of the American Indian	Contributing building
		Survey Lodge	Contributing building
		Monument Lodge	Contributing building
		National Museum of African American History and Culture	Contributing building
		Constitution Gardens Refreshment Kiosk	Contributing building
15		Lockkeeper's House	Contributing structure/NRHP
		Bulfinch Gatehouses (U.S. Capitol Gatehouse)	Contributing structure
		Bulfinch Gatepost (U.S. Capitol Gateposts)	Contributing structure
		Washington Monument	Contributing structure/NRHP
		Flood Control Levee	Contributing structure
		Lincoln Memorial*	Contributing structure/NRHP
		Reflecting Pool	Contributing structure
		Watergate steps	Contributing structure
		Constitution Avenue Belvedere	Contributing structure
		District of Columbia War Memorial	Contributing structure
		Stone Seawalls	Contributing structure
		Tidal Basin	Contributing structure
		Outlet Bridge	Contributing structure
		Inlet Bridge	Contributing structure
		Kutz Bridge	Contributing structure
		Independence Avenue Extension	Contributing structure
		Thomas Jefferson Memorial	Contributing structure/NRHP
		Constitution Avenue, NW	Contributing structure
		Madison Drive	Contributing structure

Map ID	Resource Name		NRHP Designation
		Jefferson Drive	Contributing structure
		Maryland Avenue, SW	Contributing structure
		Pennsylvania Avenue, NW	Contributing structure
		Henry Bacon Drive	Contributing structure
		Daniel French Drive	Contributing structure
		Lincoln Circle	Contributing structure
		Ohio Drive	Contributing structure
		Terminus of the Rock Creek and Potomac Parkway	Contributing structure
		3rd Street, SW	Contributing structure
		4th Street, SW	Contributing structure
		7th Street, NW-SW	Contributing structure
		14th Street, NW-SW	Contributing structure
		Raoul Wallenberg Place (15th Street south of Independence Avenue)	Contributing structure
		17th Street, NW	Contributing structure
		23rd Street, NW	Contributing structure
		E Street, NW	Contributing structure
		Downing Urn	Contributing object
		Joseph Henry Memorial	Contributing object
		National Grange Marker	Contributing object
		Ellipse Meridian Stone	Contributing object
		General William Tecumseh Sherman Memorial	Contributing object
		Butt-Millet Memorial Fountain	Contributing object
		Zero Milestone	Contributing object
		First Division Monument	Contributing object
		Original Patentees of the District of Columbia Memorial	Contributing object
		Second Division Memorial	Contributing object
		Boy Scout Commemorative Tribute	Contributing object
		John Saul Plaque	Contributing object

Map ID	Resource Name		NRHP Designation
		National Christmas Tree Plaque	Contributing object
		Jefferson Pier	Contributing object
		Elevation Obelisk	Contributing object
		100th Anniversary Plaques	Contributing object
		Washington City Canal Memorial Stone and Plaque	Contributing object
16		Memorial to the 56 Signers of the Declaration of Independence	Contributing object/NRHP
		John Ericsson Monument	Contributing object
		The Arts of Peace: Aspiration and Literature	Contributing object
		The Arts of Peace: Music and Harvest	Contributing object
		The Arts of War: Sacrifice	Contributing object
		The Arts of War: Valor	Contributing object
		First Airmail Flight Marker	Contributing object
		Number 4 Fountain	Contributing object
		Commodore John Paul Jones Statue	Contributing object
		First Cherry Tree Planting Plaque	Contributing object
		Japanese Lantern	Contributing object
		Japanese Pagoda	Contributing object
		Cuban Friendship Urn	Contributing object/NRHP
17	The Mall Cultural Landscape		NRHP cultural landscape
		Vegetation: grass panels, elm tree panels, Ulmus americana planted 1920s-1975, Ulmus americana cultivars replacement of the original elms	Contributing
		Circulation: Jefferson Drive, Madison Drive, 3rd Street, 4th Street, 7th Street, 14th Street, North Vista Walk (formerly Washington Drive), South Vista Walk (formerly Adams Drive), sidewalks along Madison and Jefferson Drives, walk along 5th Street axis, walk along 6th Street axis, walk along 8th Street axis, walk along 9th Street axis, walk along 10th Street axis, walk along 12th Street axis, walk along 13th Street axis	Contributing
		Views and vistas: vista from the Capitol to Washington Monument, views from Mall to Union Square, views to building facades from Mall, views to elms from walks and grass panels, views up cross streets	Contributing
		Small-scale features: benches (1930s design for NCP) and streetlights (1930s design for Mall)	Contributing

Map ID	Resource Name		NRHP Designation
18	Washington Monument and Grounds Historic District		NRHP historic district
		Views and vistas: Axial views through Jefferson Pier of the White House and Thomas Jefferson Memorial; Views from the site to the Lincoln Memorial, White House, Thomas Jefferson Memorial, and the U.S. Capitol; Views from top of Monument to the surrounding city and important sites	Contributing
		Circulation roads and walkways, vegetation, and small-scale features	Contributing
		Monument Lodge	Contributing building
		Survey Lodge/Boiler House	Contributing building
		Washington Monument Grounds cultural landscape	Contributing site
		German-American Friendship Garden	Contributing site
		Sylvan Theater	Contributing site
		Washington Monument	Contributing structure/NRHP
		Bulfinch Gateposts (2) (U.S. Capitol Gateposts)	Contributing structure
		Raoul Wallenberg Place (15th Street south of Independence Avenue)	Contributing structure
		Independence Avenue corridor (including Maine Avenue corridor)	Contributing structure
		Tidal Basin Parking Lot Corridor	Contributing structure
		Tidal Basin Walk with metal pipe handrail – near Tidal Basin Parking Lot	Contributing structure
		Survey Lodge service drive	Contributing structure
		100th Anniversary Plaques (2)	Contributing object
		Benches – cast-iron-and-wood slat at perimeter of site (1 group)	Contributing object
		Cobblestone gutters along Survey Lodge service drive (1 group)	Contributing object
		Washington Globe lights along the service drive behind the Survey Lodge (1 group)	Contributing object
		Twin-20 streetlights along Independence and Maine Avenues (1 group)	Contributing object
		Ring of 50 aluminum flagpoles (1 group)	Contributing object
		Jefferson Pier Marker	Contributing object
		Elevation Obelisk	Contributing object
19	Washington Monument Grounds Cultural Landscape		NRHP cultural landscape

Map ID	Resource Name		NRHP Designation
		Vegetation: Street Trees along Tidal Basin Parking; Lawn; Mulberry Tree; Street Trees along 17th Street, Constitution Avenue, 14th Street; Cherry Groves along Tidal Basin; Open Groves; Elm tree along Raoul Wallenberg Place; Elms along Tidal Basin Parking Lot; Elm in southwest grove near Survey Lodge; Catalpa tree behind Survey Lodge; and Large Elm along Tidal Basin near intersection of Raoul Wallenberg and Maine Avenue	Contributing
		Circulation: 17th Street corridor, including sidewalks; Constitution Avenue corridor, including sidewalks; 14th Street corridor, including sidewalks; Independence and Maine Avenue corridors; Tidal Basin Parking Lot corridor; Tidal Basin walk; Raoul Wallenberg Place corridor; Flagstone steps at the Sylvan Theater	Contributing
		Washington Monument	Contributing/NRHP
		Monument Lodge	Contributing
		Survey Lodge	Contributing
		Jefferson Pier survey marker	Contributing
		Bulfinch gateposts (U.S. Capitol Gateposts)	Contributing/NRHP
		Independence Avenue Overpass	Contributing
		Seawall	Contributing
		Views and vistas: Views from D.C. and surrounding region to Monument, Views from top of Monument to the surrounding city and important sites, Views from the site to the Lincoln Memorial, White House, Thomas Jefferson Memorial, and the U.S. Capitol, Vistas of the Monument from Lincoln Memorial, White House, Thomas Jefferson Memorial, and the U.S. Capitol, Axial views through Jefferson Pier of the White House and Thomas Jefferson Memorial, Screened views of the site features	Contributing
		Small-scale features: Elevation Obelisk, Twin-20 double lamp streetlights, Washington Globe single lamp streetlights, Cast-iron and wood slat benches, Ring of flagpoles, Dedication plaque at monument base, Stone-lined drainage ditch at Survey Lodge Service Drive, and Pipe Handrail - Tidal Basin	Contributing
20	Civil War Monuments in Washington, D.C.	Inclusive of Ulysses S. Grant Memorial	NRHP
21	Rock Creek Park and Potomac Parkway Historic District		NRHP historic district
		Spatial organization: the linear arrangement of the parkway including component roads, pedestrian circulation, open spaces, etc. from north to south; the linear arrangement of the seawall, shared use trail and lawn, parkway roadway proper, and lawn from west to east	Contributing
		Land use as a link connecting Rock Creek Park to West Potomac Park, as a commuter roadway, and a recreational area	Contributing
		Circulation: Rock Creek Potomac Parkway roadway; Pedestrian path to the west of the parkway, between Virginia Avenue, N.W., and F Street, N.W.; Kennedy Center Promenade; granite block median and shoulder; and granite curbs	Contributing
		Topography: human-made site, with a gentle slope rolling downwards from the adjacent properties to the east toward the Potomac River seawall	Contributing

Map ID	Resource Name		NRHP Designation
		Vegetation: Sycamore Allée, ca. 1936 vegetation, ca. 1966 vegetation, medium to large specimen trees, trees adjacent to the Roosevelt bridge	Contributing
		Stone seawall along the Potomac Waterfront Section of the Rock Creek Potomac Parkway	Contributing
		The Belvedere (Constitution Avenue, N.W.)	Contributing
		Retaining walls and rip rap along the banks of the Rock Creek	Contributing
		Kennedy Center Stone Retaining Wall	Contributing
		Aluminum handrail along the promenade and integrated bench seat to the east of the promenade	
		Views and vistas from the parkway to the surrounding environs, including the Potomac River, Theodore Roosevelt Island, Georgetown and Key Bridge, Arlington Memorial Bridge, Virginia, shoreline, and West Potomac Park.	Contributing
		Twin-20 Lampposts at the Belvedere	Contributing
22	East and West Potomac Park Historic District		
		Views and Vistas from locations: Tidal Basin; Tidal Basin Inlet Bridge; Tidal Basin Outlet Bridge; Potomac River Seawall; Commodore John Paul Jones Statue; Cuban Friendship Urn; Franklin Delano Roosevelt Memorial; Korean War Veterans Memorial; Martin Luther King, Jr. Memorial; World War II Memorial; Franklin Delano Roosevelt Memorial Visitor Center; Martin Luther King, Jr. Memorial Visitor Center; World War II Memorial Restrooms; World War II Memorial Visitor Center; East Basin Drive Bridge.	
		Lockkeeper's House	Contributing/NRHP
		Stone Seawalls	Contributing
		Tidal Basin	Contributing
		Tidal Reservoir Outlet Bridge	Contributing
		Commodore John Paul Jones Statue	Contributing
		Japanese Cherry Trees	Contributing
		Lincoln Memorial	Contributing/NRHP
		Dutch Elm Trees	Contributing
		Reflecting Pool	Contributing
		Lincoln Memorial Grounds	Contributing
		John Ericsson Monument	Contributing
		Arlington Memorial Bridge	Contributing/NRHP
		District of Columbia World War I Memorial	Contributing
		Flood Control Levee	Contributing

Map ID	Resource Name		NRHP Designation
		Jefferson Memorial	Contributing
		Independence Avenue Extension	Contributing
		Jefferson Memorial Grounds	Contributing
		Kutz Bridge	Contributing
		Guard House	Contributing
		Japanese Lantern	Contributing
		Japanese Pagoda	Contributing
		Constitution Gardens	Contributing
		56 Signers Memorial	Contributing/NRHP
		Vietnam Veterans Memorial	Contributing
		Vietnam Women's Memorial	Contributing
		Franklin Delano Roosevelt Memorial	Contributing/NRHP
		Korean War Veterans Memorial	Contributing
		Stone Seawalls	Contributing
		Potomac Railroad Bridge	Contributing
		Ohio Drive, SW	Contributing
		U.S. Engineers' Storehouse	Contributing
		East Potomac Park Field House	Contributing
		East Potomac Park Golf Course	Contributing
		East Potomac Park Miniature Golf Course	Contributing
		East Potomac Park Swimming Pool	Contributing
23	American Revolutionary Statuary in the District of Columbia	Inclusive of Commodore John Paul Jones Statue	NRHP

Sources: Army National Military Cemeteries and Virginia State Historic Preservation Officer (2026); Arlington National Cemetery et al. (n.d. [2026]); Bobeczko and Robinson (1998); Dillon (1972); EDAW, Inc. (1992a, 1992b); EHT Traceries, Inc. and Stantec (2018); Frisbie et al. (2024); Krakow (1993); McIntosh (1979, 1980a, 1980b); National Park Service (2004, 2005, 2006a, 2006b, 2009a, 2009b, 2015, 2016, 2018a, 2018b, 2022a, 2022b, 2024); Pfanz (1980, 1981); Robinson et al. (2016); Scott (1977); Seagraves et al. (1980); Smith et al. (2013); Virginia Polytechnic Institute and State University (2009).

NHL: National Historic Landmark; NRHP: Designated Lised/Eligible for the National Register of Historic Places.

Table 2. Historic Properties within the Area of Indirect Effects

Map ID	Resource Name	NRHP Designation	Contributing Views/Vistas
24	Mount Vernon Memorial Highway Cultural Landscape – North of Alexandria	NRHP	Views and Vistas: Northbound vista of the Washington Monument; Northbound views of the Potomac; Views of the U.S. Capitol Building Northbound vista of the Washington Monument; Southbound view of the Roaches Run lagoon.
25	Cuban Friendship Urn	NRHP	Located in West Potomac Park with views of the Potomac River.
26	FDR Memorial	NRHP	Views from memorial to the Tidal Basin. View from Eleanor Roosevelt statue to the White House.
27	Arlington Ridge Park	NRHP	Views and Vistas: view along Ridge Path to Netherlands Carillon; view from Marine Corps War Memorial to parade ground; view from Netherlands Carillon to flower beds below; view from Netherlands Carillon to Mall; view from reviewing stand to parade ground, and across parade ground to Marine Corps War Memorial; view from U.S. Marine Corps War Memorial to Lincoln Memorial, Watergate Steps, and National Mall; views along entrance drive into park; views along pedestrian walks to Marine Corps Memorial statue; views along Ridge Path and from Netherlands Carillon grounds to National Mall; views from park to Arlington National Cemetery.
28	Pentagon	NHL/NRHP	View/vista: view of Arlington National Cemetery, vistas of the Monumental Core of Washington D.C., across the Potomac, clear views of Washington from Arlington National Cemetery, and vice versa.
29	Fort Myer Historic District	NHL/NRHP	Views toward Washington D.C, Arlington Cemetery; the Pentagon; Potomac River.
30	Quarters 1	NHL/NRHP	Views toward Washington D.C, Arlington Cemetery; the Pentagon.
31	Theodore Roosevelt Island Historic District	NRHP	Views to and from the memorial plaza and statue.
32	Theodore Roosevelt Island Cultural Landscape	NRHP	Views and Vistas: Internal views within and across memorial plaza.
33	Washington Canoe Club	NRHP	Views and Vistas: Views from north of the Washington Canoe Club (WCC) boathouse toward the Chesapeake & Ohio Canal (C&O Canal) and Georgetown; Views from the aqueduct's northern abutment toward the Potomac River, the WCC, the C&O Canal, Georgetown, the Potomac Boat Club, and Key Bridge; Views from the C&O Canal toward the Potomac River, the WCC boathouse, and the aqueduct's northern abutment; Views from the WCC boathouse's façade toward the Virginia shore, Key Bridge, and Three Sisters Islands; Vista along the C&O Canal.
34	George Mason Memorial	NRHP	Views and Vistas: Inward views of the George Mason Memorial; vista from the George Mason Memorial Sculpture to the Inlet Bridge.
35	Thomas Jefferson Memorial	NRHP	Views and Vista to and from to the Thomas Jefferson statue to the Tidal Basin and White House and Washington Monument.
36	Thomas Jefferson Memorial Cultural Landscape	NRHP	Views and vistas: View across Tidal Basin to Cherry Trees; view south to Interstate 395 and 14th Street Bridge; View West to Potomac River past Franklin Delano Roosevelt Memorial; Vista North to White House and Washington Monument; Vista to Lincoln Memorial; Vistas to East and West of Memorial.
37	DC War Memorial Cultural Landscape	NRHP	Views and Vistas: View looking north of the Reflecting Pool; View looking south of the Tidal Basin.
38	United States Capitol	NHL/NRHP	Views/vistas of the National Mall, the Tidal Pool, the Washington Monument; and other adjacent resources. Axial views up Pennsylvania Avenue NW and SE. Views to Union Station.

Map ID	Resource Name	NRHP Designation	Contributing Views/Vistas
39	U.S. Capitol Gatehouses and Gateposts	NRHP	No contributing views. Gateposts flank 15th Street and Constitution Avenue, NW in Washington Monument Grounds and President's Park. Gatehouse in SE corner of President's P*ark.*
40	Smithsonian Building	NHL/NRHP	Views/vistas of the National Mall, within the National Mall. Views of the Potomac River from the waterfront.
41	Georgetown Historic District	NHL/NRHP	Views/vistas of Rock Creek and Potomac Parkway.
42	Old Navy Observatory	NHL/NRHP	View of the Potomac River below Theodore Roosevelt Island, including Memorial Bridge, Arlington Cemetery, and Arlington House; view over Theodore Roosevelt Island and the Georgetown waterfront, including Key Bridge; view over West Potomac Park and the Lincoln Memorial.
43	Pennsylvania Avenue National Historic Site	NRHP	Contributing resources include Old Post Office and Clock Tower. Views and vistas of the Pennsylvania Avenue National Historic Site.

Sources: Army National Military Cemeteries and Virginia State Historic Preservation Officer (2026); Arlington National Cemetery et al. (n.d. [2026]); Bobeczko and Robinson (1998); Dillon (1972); EDAW, Inc. (1992a, 1992b); EHT Traceries, Inc. and Stantec (2018); Frisbie et al. (2024); Krakow (1993); McIntosh (1979, 1980a, 1980b); National Park Service (2004, 2005, 2006a, 2006b, 2009a, 2009b, 2015, 2016, 2018a, 2018b, 2022a, 2022b, 2024); Pfanz (1980, 1981); Robinson et al. (2016); Seagraves et al. (1980); Scott (1977); Smith et al. (2013); Virginia Polytechnic Institute and State University (2009).

NRHP = Designated listed/eligible for the National Register of Historic Places; NHL = National Historic Landmark.

Table 3. Assessment of Adverse Effects

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Memorial Avenue Corridor Cultural Landscape	A, B, C, D, F, G	The proposed undertaking may adversely affect the corridor's setting, context and viewshed, including the obstruction of distant views that characterize the historic resource, and which serve as a defining feature of the corridor, including: the view of the Washington Monument from various locations along the corridor; view to Hemicycle and Arlington House; view to Lincoln Memorial; and views to the Capitol dome and other resources of the D.C. monumental core from Memorial Circle.	Memorial Avenue corridor is architecturally significant as a mile-long axial composition. Memorial Circle is the one portion of the Memorial Avenue composition that was not designed by McKim Mead and White architectural firm; the circle is attributed to Gilmore Clarke, an early designer of the American Parkway. With the proposed undertaking, the corridor would be physically altered with an intrusion that changes the circulation patterns, and contributing viewsheds, and modifies the design continuity of the corridor. The corridor is identified as meeting moderate rather than high integrity, although its primary architectural features are identified as retaining high integrity. With the proposed undertaking, these architectural resources may be adversely affected. In addition, the proposed undertaking may result in the loss of contributing landscape elements The pines at the four pylons near Memorial Circle are identified as contributing to the cultural landscape and may be adversely affected. The granite block paving surfaces, along the bridges as well as appearing in triangular islands to the east and west of Memorial Circle, are also contributing elements and should be retained.	The proposed undertaking would introduce adverse direct and indirect effects.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Arlington Memorial Bridge and Associated Features	C	Views from the resource and to the resource, as well as the bridge's immediate setting would be altered.	The Arlington Memorial Bridge historic resource encompasses architectural, landscape, and sculptural features to the east and west, including Memorial Circle. The bridge and associated features serve as a symbolic linkage of the North and South by connecting the Lincoln Memorial and Arlington House. With the proposed undertaking, this balanced architectural relationship would be altered and the visual continuity would be obstructed. The sculptural and landscape elements that define Memorial Circle, including two sets of 35-foot-tall granite pylons and the circulation pattern, circular lawn and annual floral plantings, would be removed or diminished. The design continuity of Memorial Drive is also a contributing element of the resource.	The proposed undertaking would result in adverse direct and indirect effects.
Lady Bird Johnson Park Cultural Landscape	A, C	The proposed undertaking would physically obstruct contributing views within the landscape and along Arlington Memorial Bridge, and it would alter views to resources such as Arlington House, Lincoln Memorial, the Potomac River, and Arlington Memorial Bridge.	The island's significance is tied to its central role in the axial composition linking the Lincoln Memorial with the entrance to Arlington National Cemetery. The main axis of Arlington Memorial Bridge, Memorial Cricle, and Boundary Channel Extension bridge are as originally built, with medium integrity, and are significant for their design as well as their association with the history of the American parkway. The proposed undertaking would directly affect the circulation of Memorial Circle, a contributing resource of the cultural landscape. Anticipated construction staging is planned for a portion of the Park, which may have a direct effect on contributing vegetation.	The proposed undertaking would result in adverse direct and indirect effects.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Arlington National Cemetery Historic District	A, B, C, D, F, G	The proposed undertaking would alter and partially obstruct contributing views from Arlington House and Kennedy Gravesite to Lincoln Memorial and Washington Monument. The undertaking would also alter contributing views to and from Memorial Amphitheater from various locations. The proposed undertaking would alter contributing views of ANC from the Lincoln Memorial, Memorial Bridge, Memorial Drive.	The proposed undertaking would result in direct effects to contributing resources in the Arlington National Cemetery Historic District, including circulation system resources that are identified as contributing to the historic district and contributing monuments adjacent to the proposed site. Direct effects from the proposed undertaking would also result from the partial obstruction of the resource's visual relationship with Lincoln Memorial and the Memorial Avenue Corridor. The axial relationship of the historic property to other major monuments is integral to its historic significance.	The proposed undertaking would result in adverse direct and indirect effects.
Arlington House Historic District	A, B, C, D	The proposed undertaking would alter contributing views east from Arlington House. There is potential that the proposed undertaking would partially obstruct views of Lincoln Memorial and Arlington Memorial Bridge from Arlington House.	Arlington House is oriented with long views toward Washington D.C. This relationship to Washington D.C. and the Potomac is a character-defining feature of the resource. Contributing resources in the historic district also derive significance from their orientation and views toward the Potomac River and Washington D.C.	The proposed undertaking would result in adverse direct and indirect effects.
Arlington House (Robert E. Lee Memorial)	A, B, C, D	The proposed undertaking has the potential to alter contributing views. The proposed undertaking would alter contributing views east from Arlington House. There is potential that the proposed undertaking would alter views of Lincoln Memorial and Arlington Memorial Bridge from Arlington House.	Direct effects from the proposed undertaking would result from the property's partial obstruction from its relation to the Lincoln Memorial and the Memorial Avenue Corridor, a symbolic spatial relationship.	The proposed undertaking would result in adverse direct and indirect effects.
Arlington House Cultural Landscape	A, B, C, D, F	The proposed undertaking would alter contributing views from and to the resource, including the view between the house and Washington D.C.	Due to the changes to contributing views and vistas, the proposed undertaking would present a direct adverse effect to the cultural landscape.	The proposed undertaking would result in adverse direct and indirect effects.
Lyndon B. Johnson Memorial Grove	A, C	Primary views from the resource are generally eastward across the Potomac River and views of the undertaking would therefore not be prominent or direct but may have indirect effects on the setting.	The proposed undertaking would be physically distinct from the historic resource and would not introduce a direct adverse effect.	The proposed undertaking may result in adverse indirect effects.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Mount Vernon Memorial Highway Historic District	A, C	The resource's setting would be changed with the proposed undertaking.	The proposed undertaking would occupy the northern terminus of the resource, altering circulation patterns in this designed landscape.	The proposed undertaking would result in adverse indirect and direct effects.
Lincoln Memorial Cultural Landscape	A, C	The setting and context of the cultural landscape may be adversely affected by the loss of contributing vistas as well as the altered character of the landscape and built environment in westward views from the Lincoln Memorial grounds.	The proposed undertaking may result in a direct adverse effect to the reciprocal views between the Lincoln Memorial and Arlington House, which are identified as a contributing resource in the cultural landscape.	The proposed undertaking would result in adverse indirect and direct effects.
Lincoln Memorial	A, B, C,	The Lincoln Memorial west façade is oriented toward the proposed undertaking. . Views across the river would therefore be altered by the proposed undertaking.	The resource is significant for its architectural design, as a major element of the McMillan Commission Plan to form the western terminus of the Mall composition and as the northeastern terminus of an axis that extends across the Arlington Memorial Bridge to Arlington House. The proposed undertaking may result in a direct adverse effect to the Lincoln Memorial as it would change the interrelationships of the existing monumental landscape, which forms an intentional balance between natural and built features, axial and picturesque landscape elements.	The proposed undertaking would result in adverse indirect and direct effects.
National Mall Site and National Mall Historic District	A, C, D, F	The character of views of the Potomac River would be altered with the proposed undertaking, as the proposed undertaking introduces a feature that is dissimilar to its surroundings on the west side of the river.	The resource includes grounds and memorials that derive significance from their distant views, with designs and orientations that rely on direct views of civic monuments.	The proposed undertaking would result in adverse indirect and direct effects.
The Mall Cultural Landscape	A, B, C	The character of views of the Potomac River would be altered with the proposed undertaking, as the proposed undertaking introduces a feature that is dissimilar to its surroundings on the west side of the river.	The resource includes grounds and memorials that derive significance from their distant views, with designs and orientations that rely on direct views of civic monuments.	The proposed undertaking would result in adverse indirect and direct effects.
World War II Memorial	F, G	The proposed undertaking would not adversely affect the resource's contributing views, due to distance, and intervening vegetation and buildings.	No direct effects	No adverse effect is anticipated.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Martin Luther King Jr. Memorial	F, G	The proposed undertaking would not adversely affect the resource's contributing views, due to distance, and intervening vegetation and buildings. Primary views from the memorial are southeast to the Jefferson Memorial. The undertaking would therefore not be prominent or direct.	No direct effects	No adverse effect is anticipated.
Lockkeeper's House and C&O Extension	A, C	The resource is located on the south side of Constitution Avenue, situated with its primary elevation oriented north and away from the proposed undertaking.	No direct effects	No adverse effect is anticipated.
56 Signers Memorial	F, G	No indirect effects	No direct effects	No adverse effect is anticipated.
Washington Monument Structure and Washington Monument and Grounds Historic District	A, C, B, F, G	Views from the top of the monument are a contributing resource and would be altered with the proposed undertaking. The grounds and base of the monument would not include direct and prominent views of the proposed undertaking due to distance and intervening vegetation and topography.	No direct effects.	The proposed undertaking would result in adverse indirect effects.
Washington Monument and Grounds Cultural Landscape	A, C, F	The context and setting of the resource would not be adversely affected by the proposed undertaking, due to distance and intervening vegetation and buildings.	Views to the monument are identified as a contributing resource; these views would be altered and obstructed by the proposed undertaking, resulting in a direct adverse effect to the cultural landscape.	The proposed undertaking would result in adverse direct effects.
Rock Creek and Potomac Parkway Historic District	A, C	Views southwest toward Memorial Bridge are a contributing resource in the Historic District and would be altered with the proposed undertaking.	No direct effects.	The proposed undertaking would result in adverse indirect effects.
Civil War Monuments in Washington, D.C.	A, C	Civil War Monuments include the Ulysses S, Grant Statue Views west along the primary mall axis from the front of the Grant Statue near the U.S. Capitol would encompass the proposed undertaking across the Potomac River. However, the proposed undertaking would not diminish the resource's immediate setting and primary views to the National Mall.	No direct effects	No adverse effect is anticipated.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
East and West Potomac Park Historic District	A, B, C, F, G	Contributing views from the resource are generally oriented toward the Tidal Basin as well as vistas from built resources within the parks. The West Potomac Park riverfront would have direct views of the proposed undertaking. Views across the river would therefore be adversely changed by the proposed undertaking.	No direct effects	The proposed undertaking would result in adverse indirect effects.
American Revolutionary Statuary in the District of Columbia	A, C	One resource includes the John Paul Jones Memorial. Due to the distance of this resource from the proposed undertaking site, and the diminished visibility, this resource would not experience adverse indirect effects.	No direct effects	No adverse effect is anticipated.
Mount Vernon Memorial Highway Cultural Landscape - North of Alexandria	C	The resource's setting would not be changed with the proposed undertaking.	No direct effects	No adverse effect is anticipated.
Cuban Friendship Urn	B, C	The resource would not be adversely affected by changes to its distant viewshed.	No direct effects	No adverse effect is anticipated.
FDR Memorial	F, G	The resource is oriented primarily toward the Tidal Basin, away from the site of the proposed undertaking.	No direct effects	No adverse effect is anticipated.
Arlington Ridge Park	A, C, F, G	Situated on a ridge with long views across the Potomac River, to the monumental core, the park's southeastern views may include the proposed undertaking.	No direct effects	The proposed undertaking would result in adverse indirect effects.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Pentagon	A, B, C	It is anticipated that contributing views, including the views to and from Washington D.C., may be adversely affected with the proposed undertaking. The proposed undertaking would not adversely affect the resource's setting and context, due to distance and the existence of intervening roadway infrastructure.	The northeastern and eastern facades of the Pentagon are designed to capture unobstructed vistas of Washington D.C.'s Monumental Core across the Potomac River, with large terraces including the River Entrance Terrace and Mall Entrance Terrace, the parade ground, and landscaping that are designed to interface with these views. The proposed undertaking would be constructed within this contributing viewshed and there is a potential the proposed undertaking would result in direct adverse effects to the architectural resource	It is anticipated that the proposed undertaking may result in adverse direct and indirect adverse effects, due to visibility.
Fort Myer Historic District and Quarters 1	A	The proposed undertaking would likely not be prominently visible from the resource, due to differentiation in elevation and intervening tree cover. However, the undertaking may be visible in some conditions.	No direct effects	The proposed undertaking would result in adverse indirect effects.
Theodore Roosevelt Island	A, C, D, F	The island is characterized by thick vegetation, and with the Theodore Roosevelt Memorial bridge intervening between the site and proposed undertaking.	No direct effects	No adverse effect is anticipated.
Washington Canoe Club	A, C	The resource is located at a substantial distance from the proposed undertaking; the resource's waterfront setting and views may include distant views of the proposed undertaking however it would not adversely affect the resource's setting, context, and relation to the waterfront.	No direct effects	No adverse effect is anticipated.
George Mason Memorial	A, F	Contributing view from the George Mason Memorial Sculpture to the Inlet Bridge. In leaf off condition, the proposed undertaking would potentially be visible.	No direct effects	The proposed undertaking would result in adverse indirect effects.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Thomas Jefferson Memorial	A, C, F	The resource is oriented toward the Tidal Basin with primary views north, away from the proposed undertaking. It is anticipated that the vegetation bordering the Tidal Basin would obscure direct views to the proposed undertaking, and the distance across the Potomac River would diminish the undertaking's effect on the resource's context and setting.	No direct effects	No adverse effect is anticipated.
Thomas Jefferson Memorial Cultural Landscape	A, C	Contributing views from the cultural landscape include views to the east and west of the Lincoln Memorial. It is anticipated that the proposed undertaking would be situated within this vista.	No direct effects	The proposed undertaking would result in adverse indirect effects.
DC War Memorial Cultural Landscape	A, F	The resource is within a park setting of mature trees that largely block long views to the west.	No direct effects	No adverse effect is anticipated.
United States Capitol	A, C	The proposed undertaking would not adversely affect the resource's contributing views, due to distance, and intervening vegetation and buildings.	No direct effects	No adverse effect is anticipated.
U.S. Capitol Gatehouses and Gateposts	C	The proposed undertaking would not adversely affect the resource's contributing views, due to distance, and intervening vegetation and buildings.	No direct effects	No adverse effect is anticipated.
Smithsonian Building	A, C	The proposed undertaking would not adversely affect the resource's contributing views, due to distance, and intervening vegetation and buildings.	No direct effects	No adverse effect is anticipated.
Georgetown Historic District	A, C, D	The proposed undertaking would not adversely affect the resource's contributing views, due to distance, and intervening vegetation and buildings.	No direct effects	No adverse effect is anticipated.
Old Navy Observatory	A, B, C	Views from the Old Navy Observatory may include the upper portion of the proposed undertaking. However, it is not anticipated that the proposed undertaking would substantially alter the resource's general setting or views.	No direct effects	No adverse effect is anticipated.

Resource Name	Criteria of Significance	Indirect Effects	Direct Effects	Summary of Adverse Effects
Pennsylvania Avenue National Historic Site (Old Post Office and Clock Tower)	A, C	The proposed undertaking would not adversely affect the resource's significance views, due to the property's orientation and primary views as well as its distance from the proposed undertaking. Distant views of the resource from the west would not be adversely affected.	No direct effects	No adverse effect is anticipated.

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