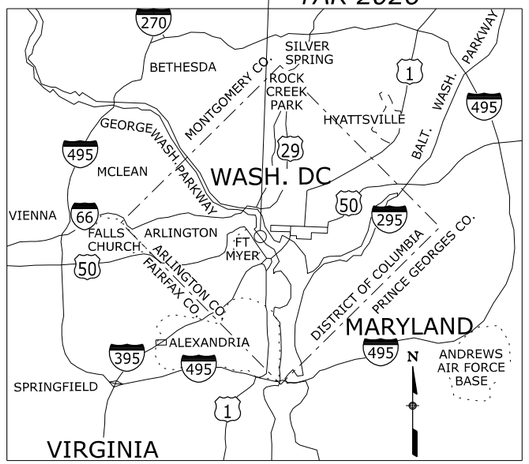
NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

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:

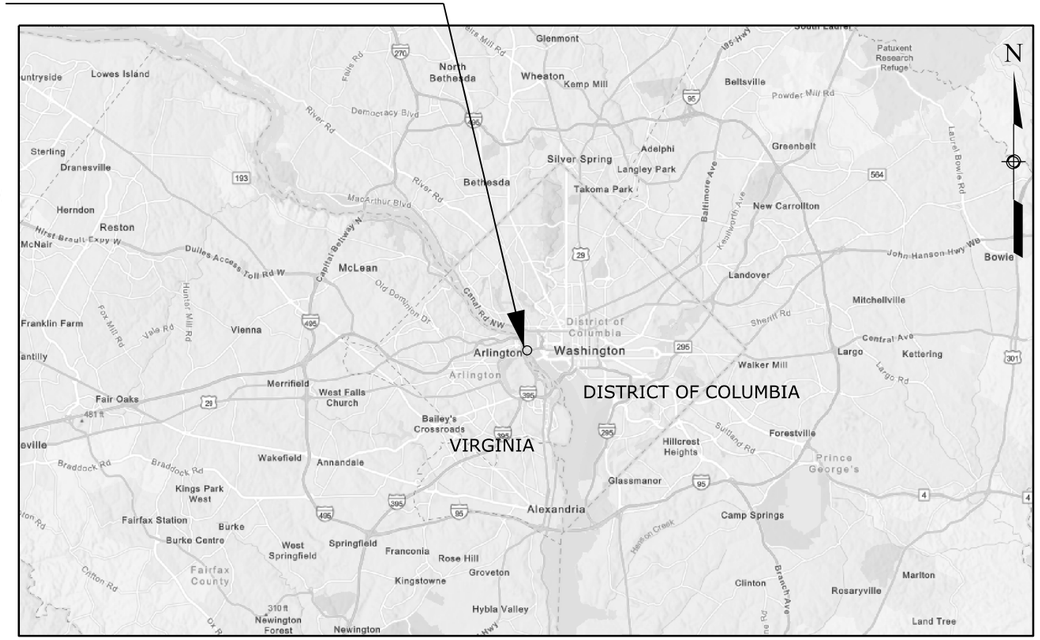
GWMP ADT (2026)	16716
GWMP ADT (2046)	22514
DHV	3
D	50/50
%Truck	0.10%
V (MPH)	30
C/A	None
e(max)	N/A

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

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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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

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
Underground Utilities		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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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

GEORGE WASHINGTON MEMORIAL PARKWAY

SYMBOLS AND ABBREVIATIONS

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

PROJECT	SHEET NUMBER
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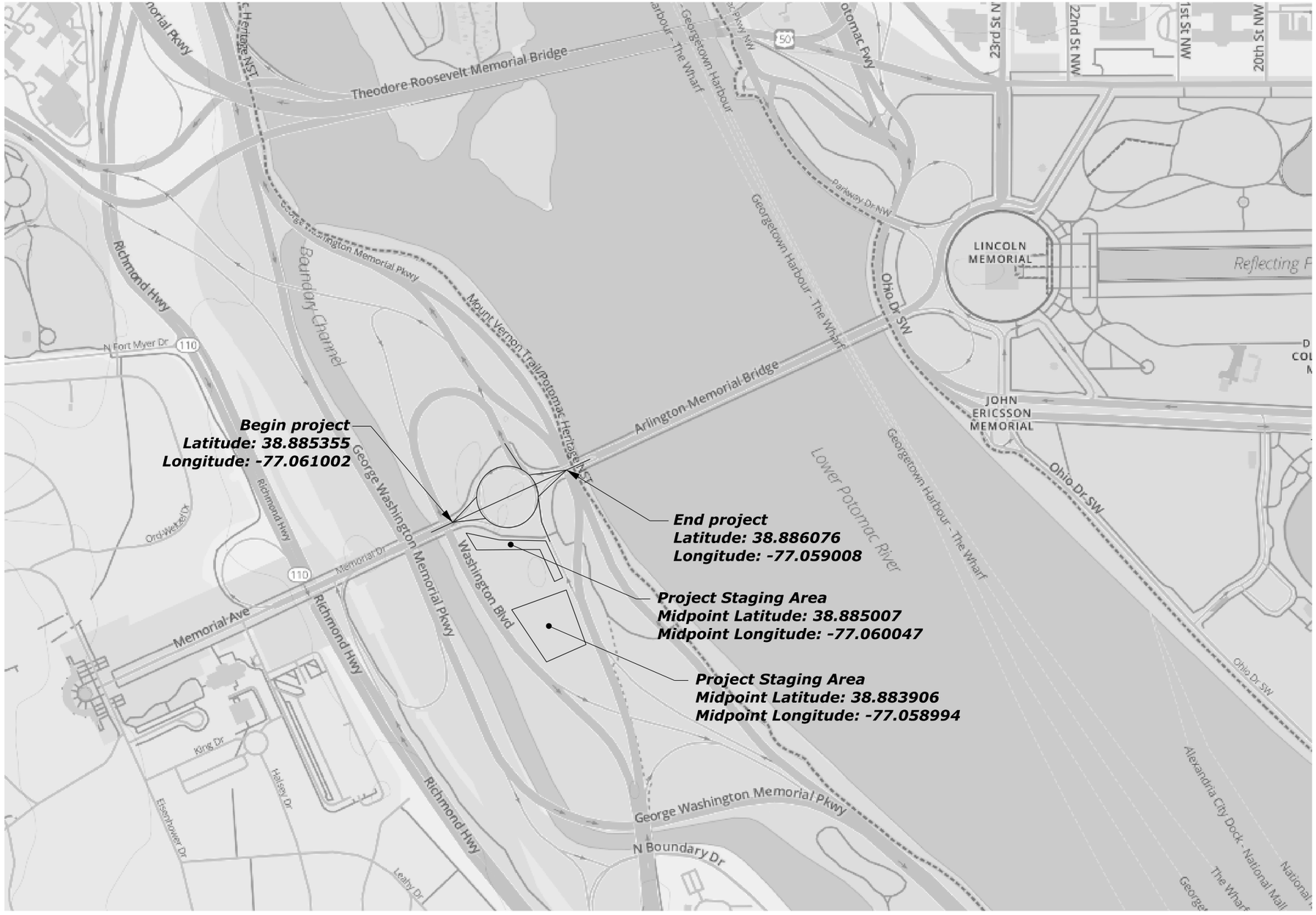

Note:
Final staging area limits as directed.

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OFFICE OF FEDERAL LANDS HIGHWAY

NO SCALE

GEORGE WASHINGTON MEMORIAL PARKWAY

LOCATION MAP

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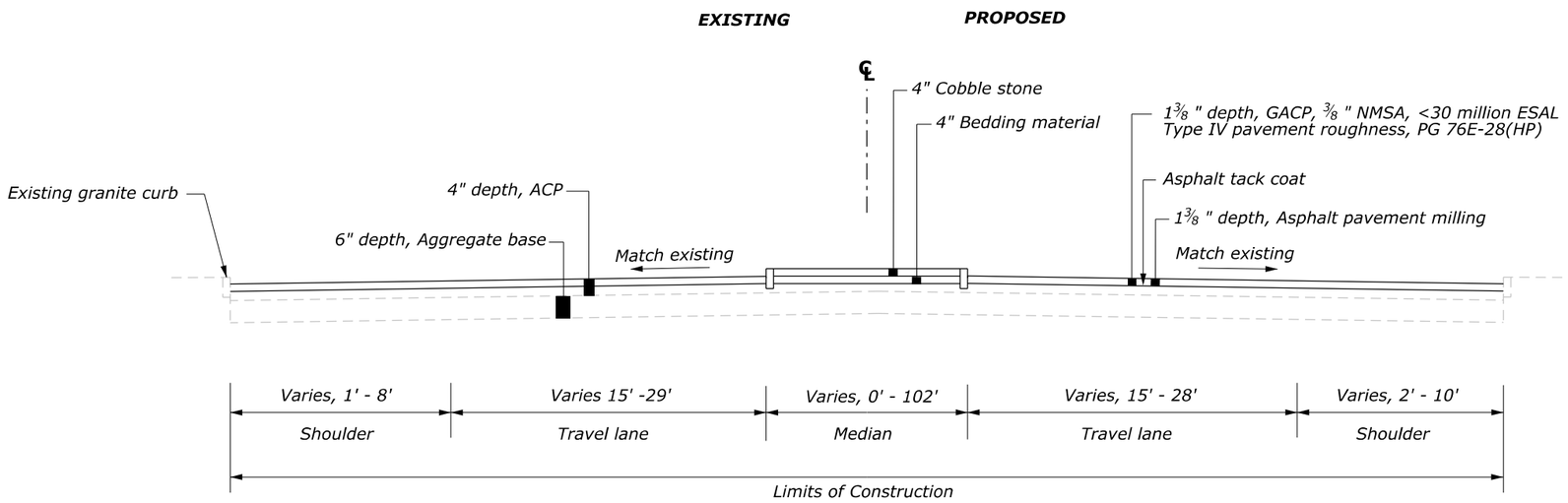
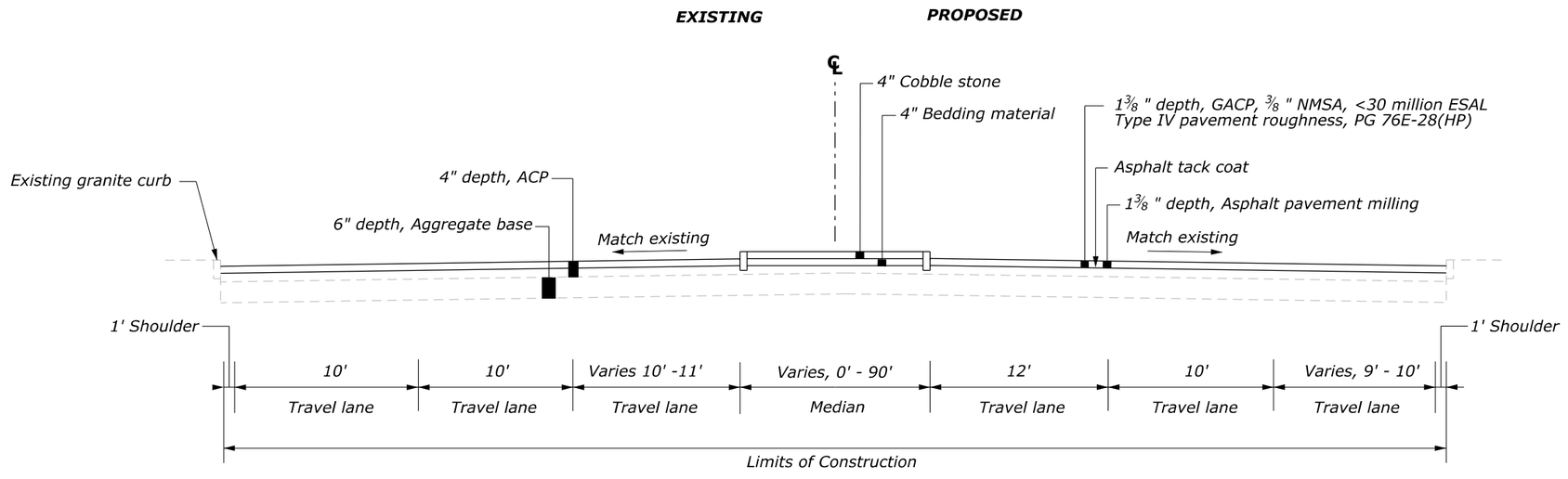


MEMORIAL AVENUE BRIDGE TO MEMORIAL CIRCLE



MEMORIAL CIRCLE TO ARLINGTON MEMORIAL BRIDGE

NO.	DATE	BY	REVISIONS

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

GEORGE WASHINGTON MEMORIAL PARKWAY

TYPICAL SECTIONS

MEMORIAL CIRCLE, ARLINGTON MEMORIAL BRIDGE
SCHEDULE A

PROJECT	SHEET NUMBER
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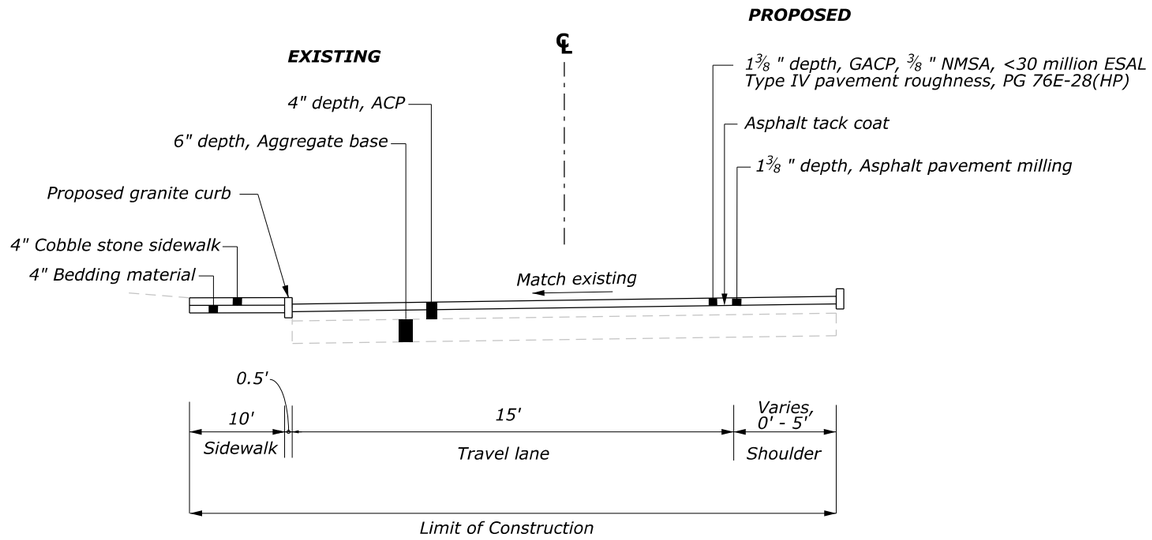
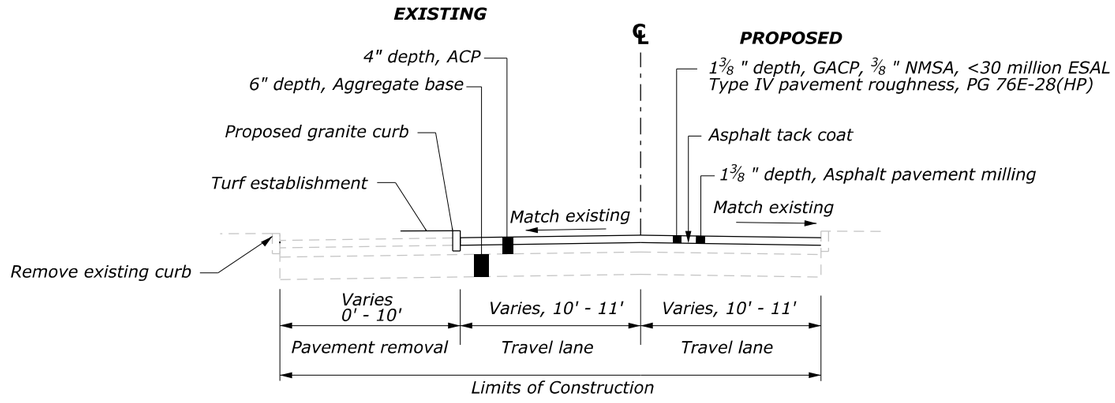


MEMORIAL CIRCLE



WASHINGTON BLVD

NO.	DATE	BY	REVISIONS

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

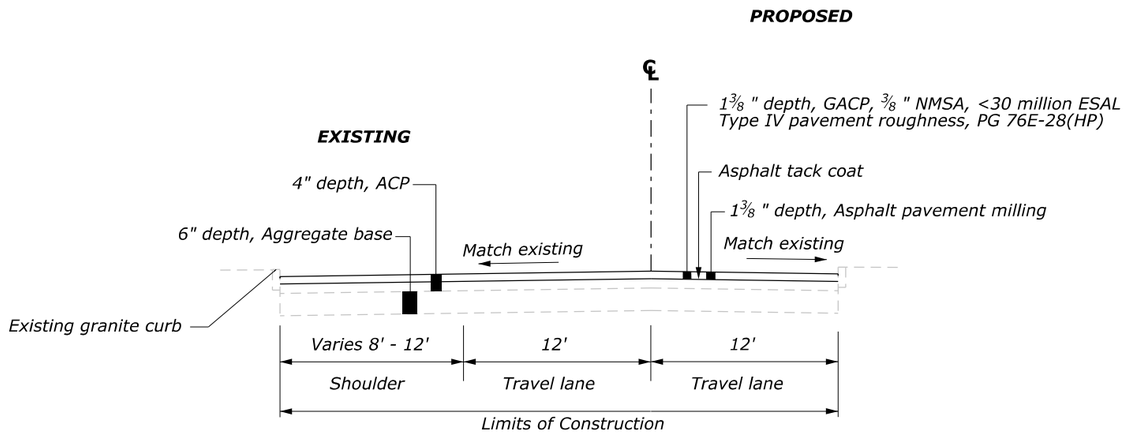
GEORGE WASHINGTON MEMORIAL PARKWAY

TYPICAL SECTIONS

MEMORIAL CIRCLE, WASHINGTON BLVD
SCHEDULE A

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	B03



ARLINGTON BLVD

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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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

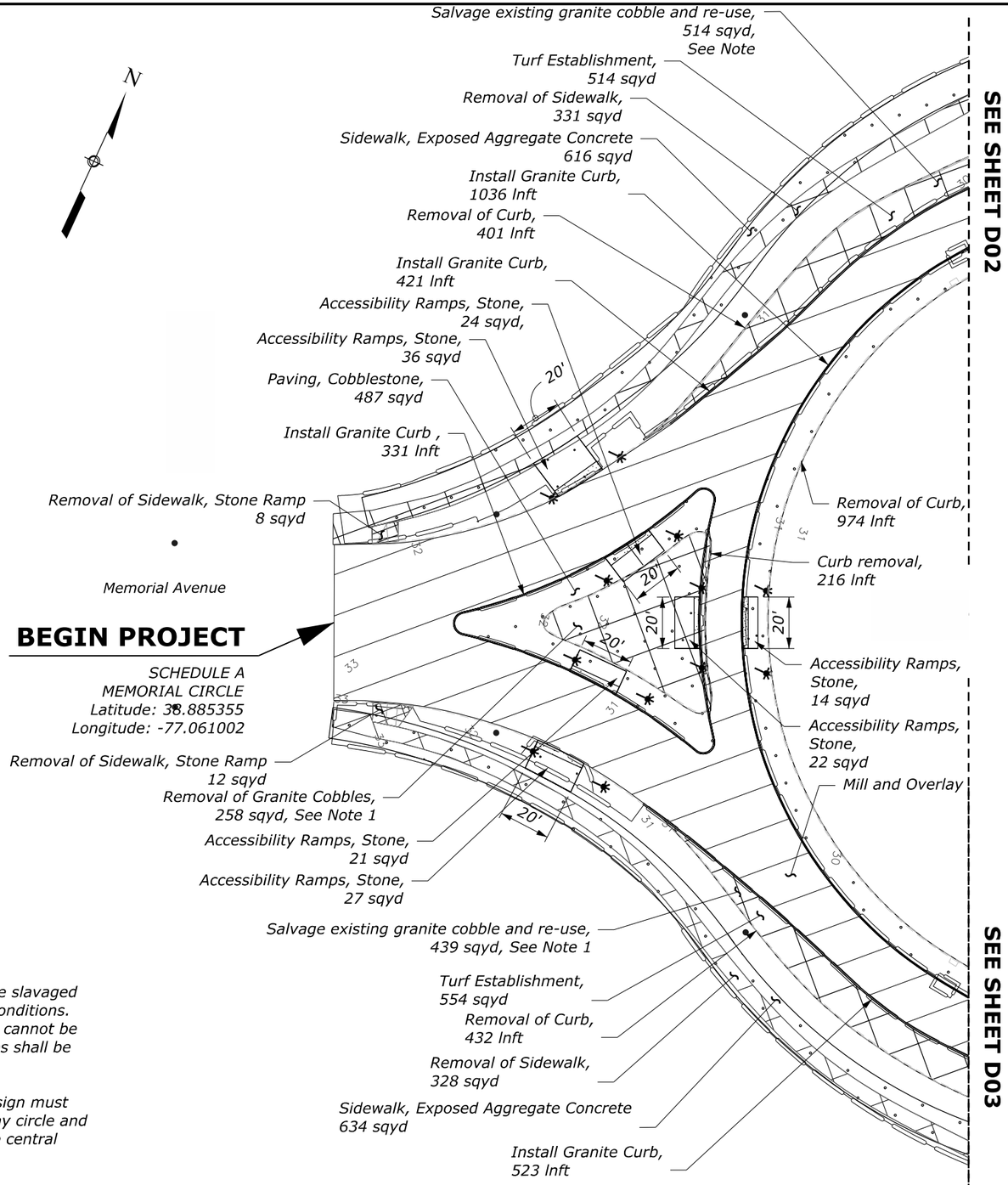
NO.	DATE	BY	REVISIONS

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

GEORGE WASHINGTON MEMORIAL PARKWAY

TABULATION OF QUANTITIES
SCHEDULE A

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

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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

0 25 50
SCALE IN FEET

CONSTRUCTION PLAN

MEMORIAL CIRCLE

PROJECT	SHEET NUMBER
	D02

NOTES

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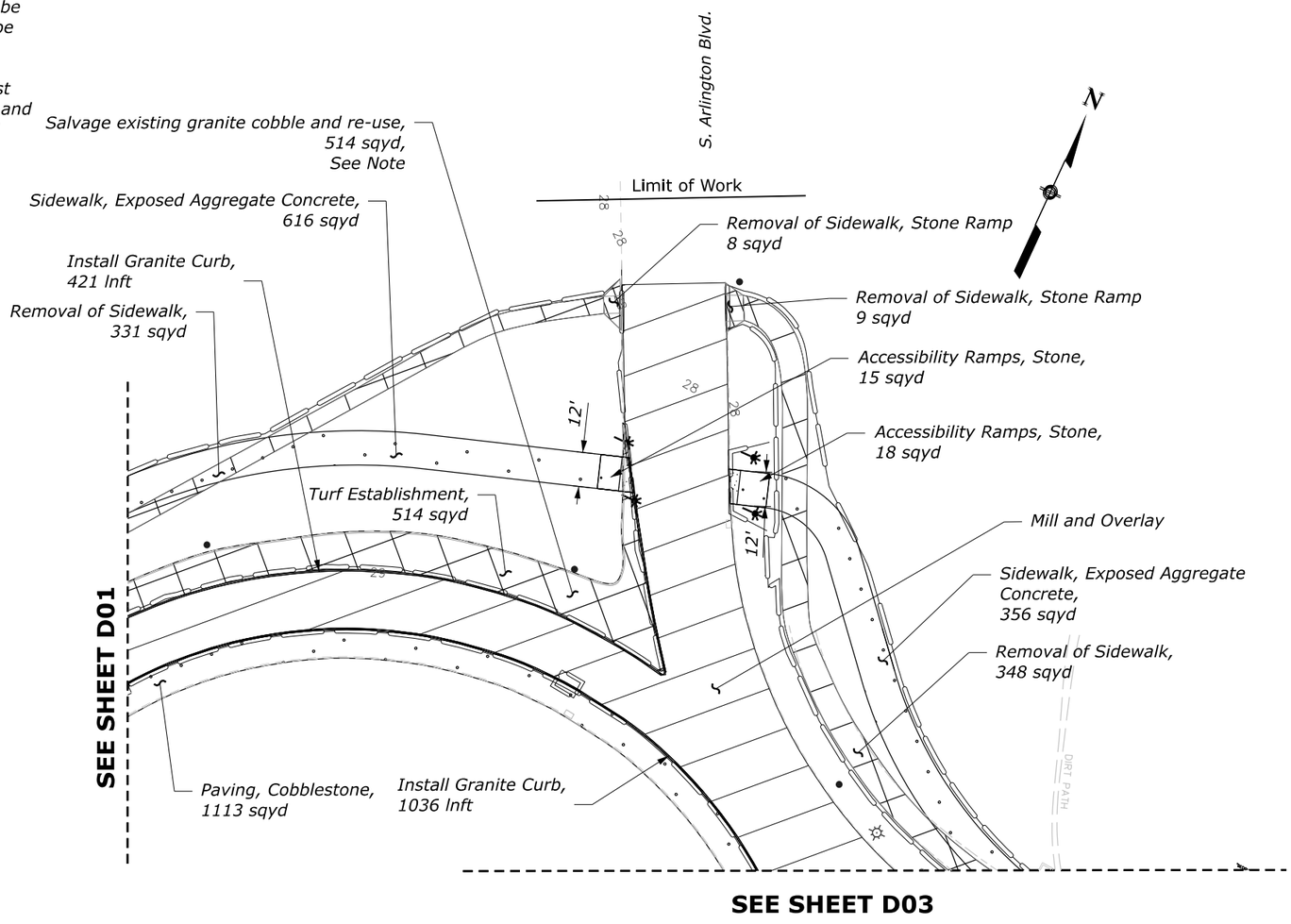

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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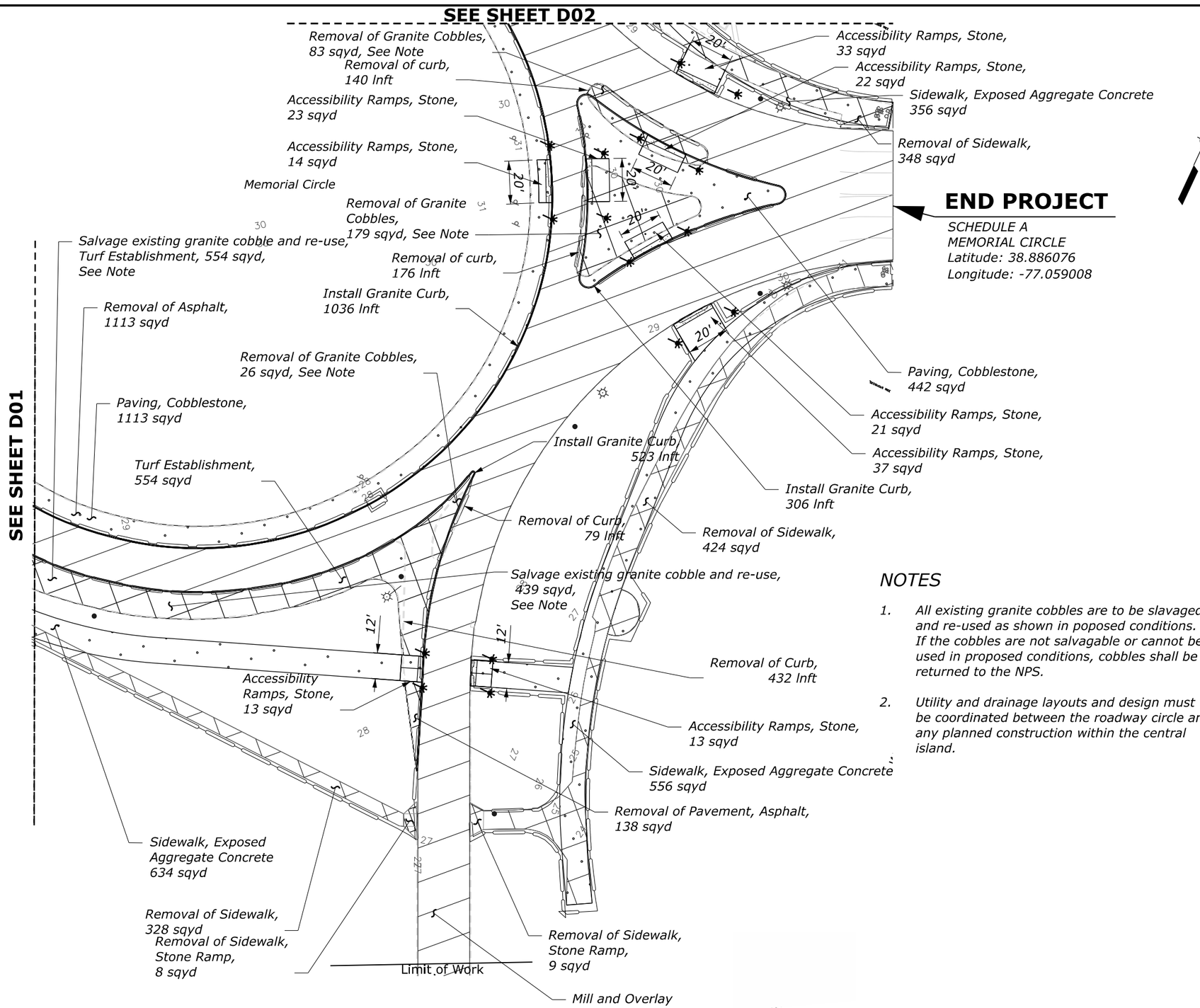
SCALE IN FEET

CONSTRUCTION PLAN

MEMORIAL CIRCLE

S. ARLINGTON BLVD

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.

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OFFICE OF FEDERAL LANDS HIGHWAY

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SCALE IN FEET

CONSTRUCTION PLAN

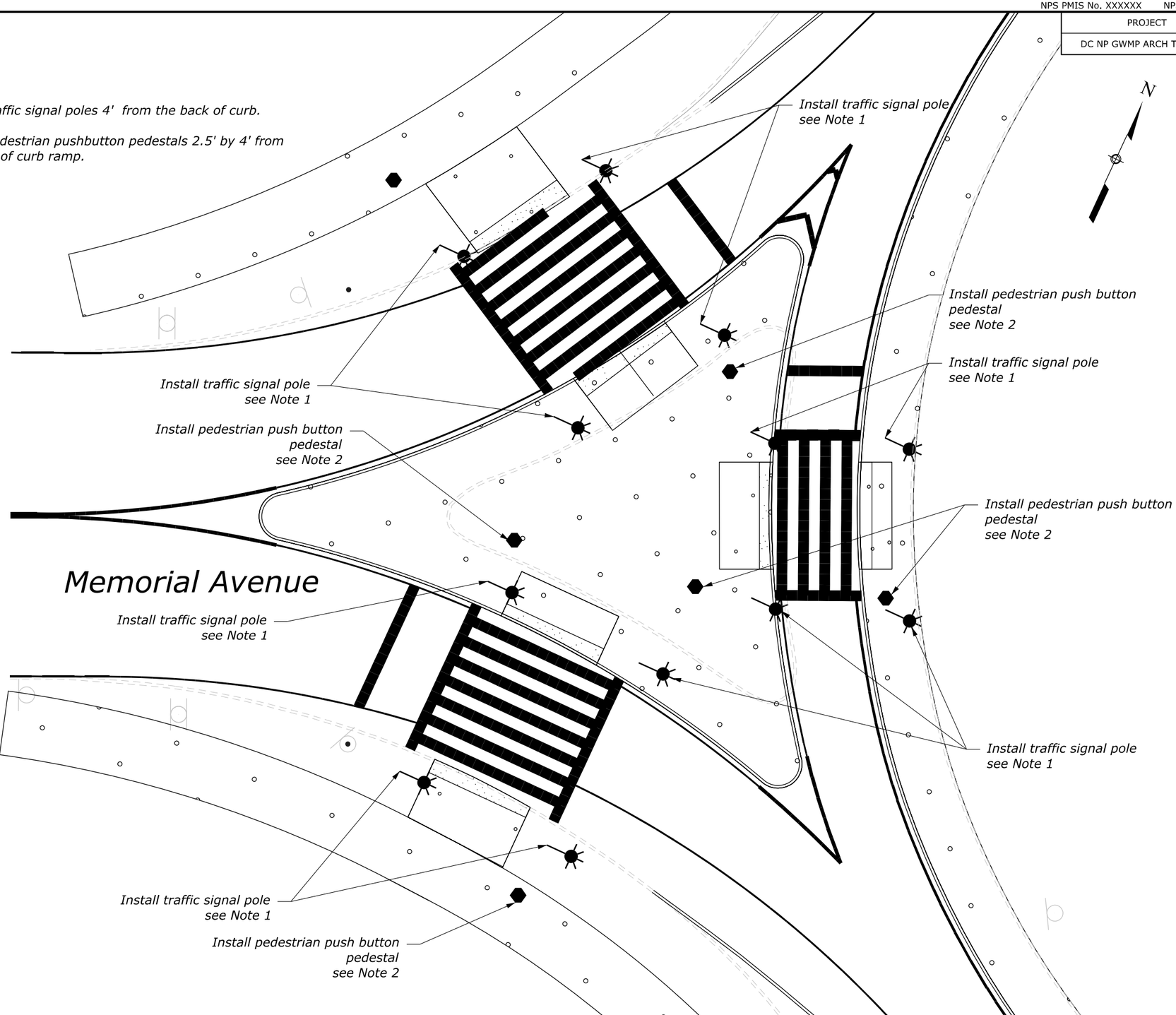
MEMORIAL CIRCLE
WASHINGTON BLVD

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

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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

Install pedestrian push button pedestal see Note 2

Install pedestrian push button pedestal see Note 2

N

"DECIDUOUS TREE"

"DECIDUOUS TREE"

"DECIDUOUS TREE"

"DECIDUOUS TREE"

"DECIDUOUS TREE"

"DECIDUOUS TREE"

ONLY

ONLY

Washington

Arlington Memorial Bridge

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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

TRAFFIC SIGNAL PLAN

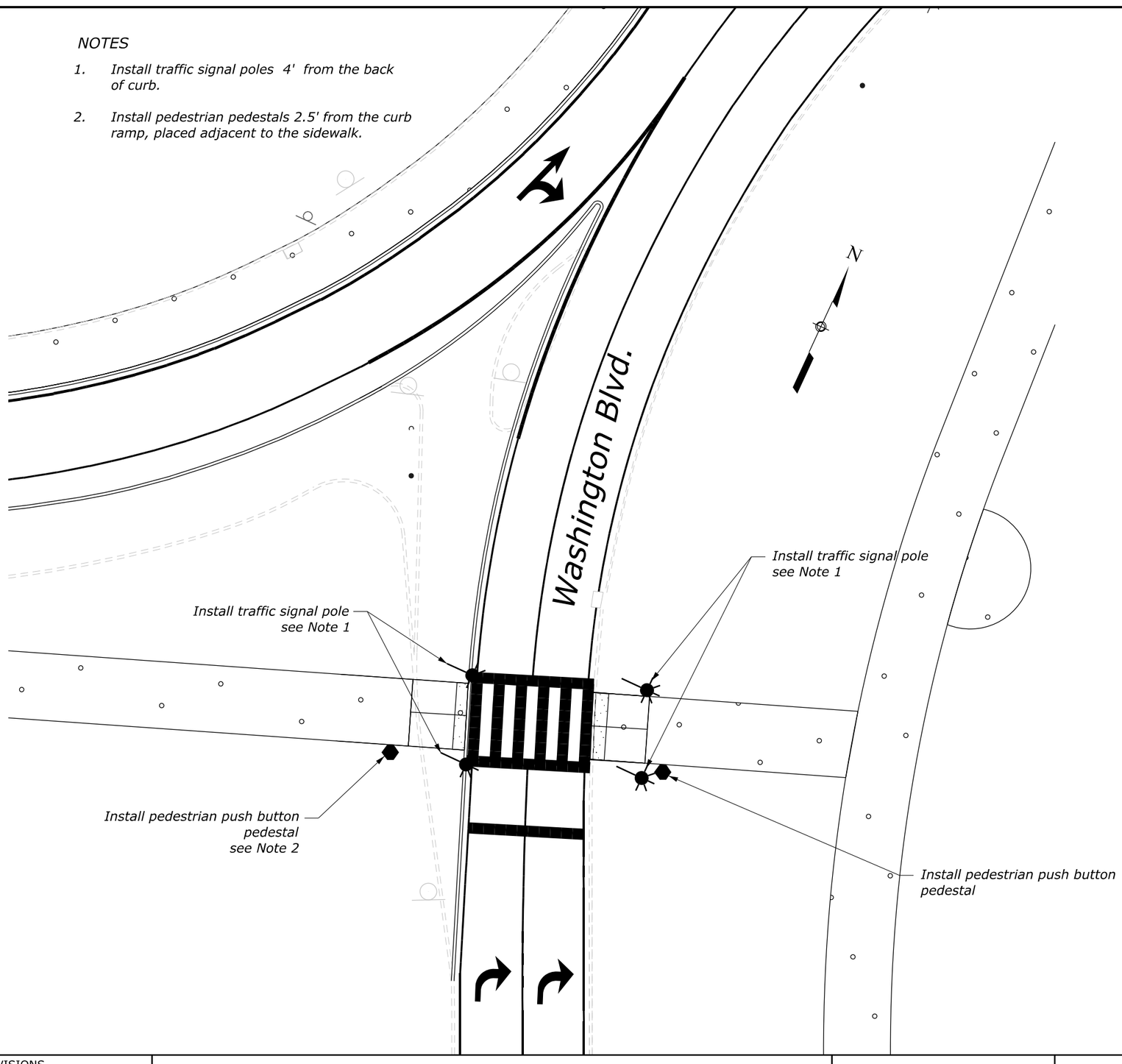
MEMORIAL CIRCLE
ARLINGTON MEMORIAL BRIDGE

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.*



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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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21 May 2026 6:35 PM

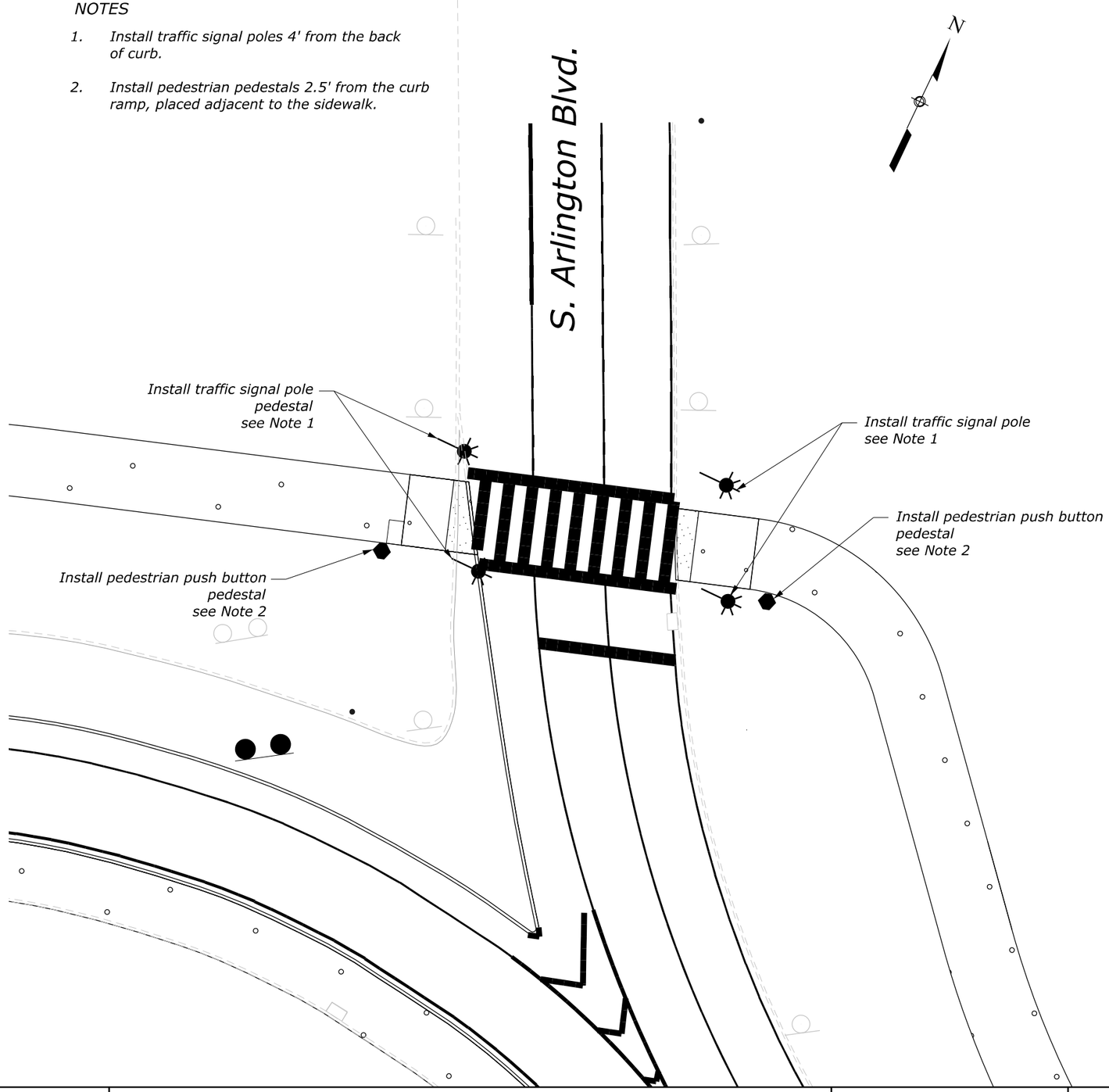
NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

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.*



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FEDERAL HIGHWAY ADMINISTRATION
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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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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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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		
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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			

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GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL NARRATIVE

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

PROJECT	SHEET NUMBER
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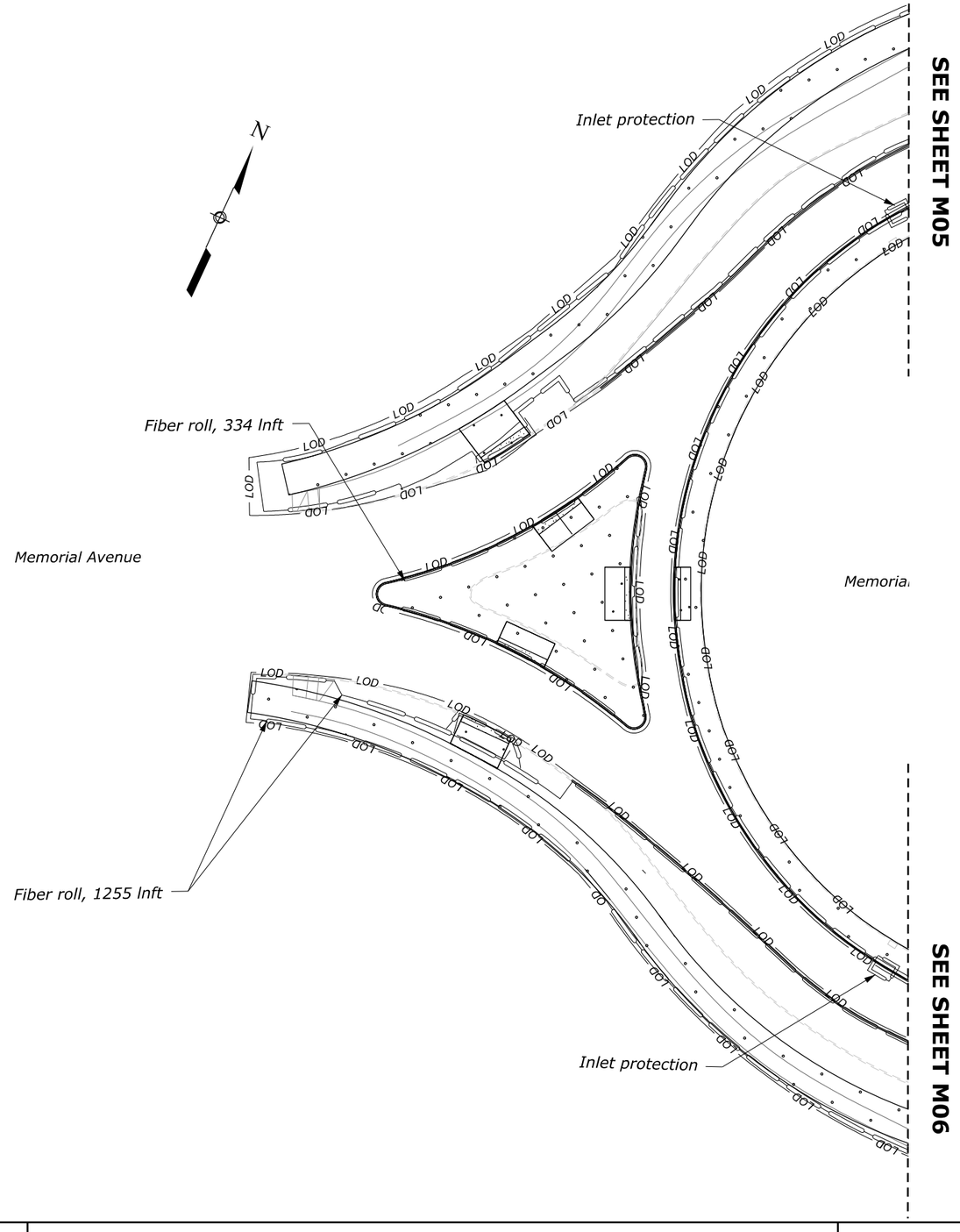

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GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL PLAN

MEMORIAL CIRCLE

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PROJECT	SHEET NUMBER
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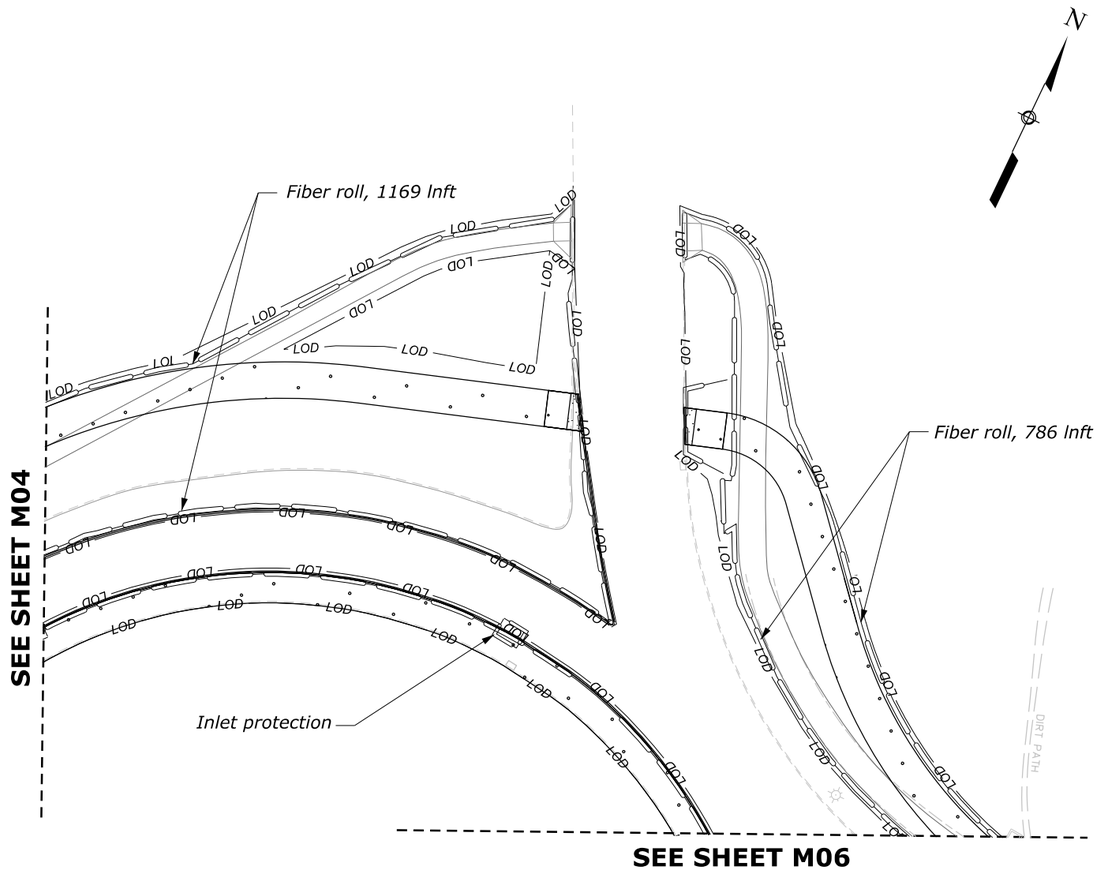

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GEORGE WASHINGTON MEMORIAL PARKWAY

EROSION AND SEDIMENT CONTROL PLAN

MEMORIAL CIRCLE
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PROJECT	SHEET NUMBER
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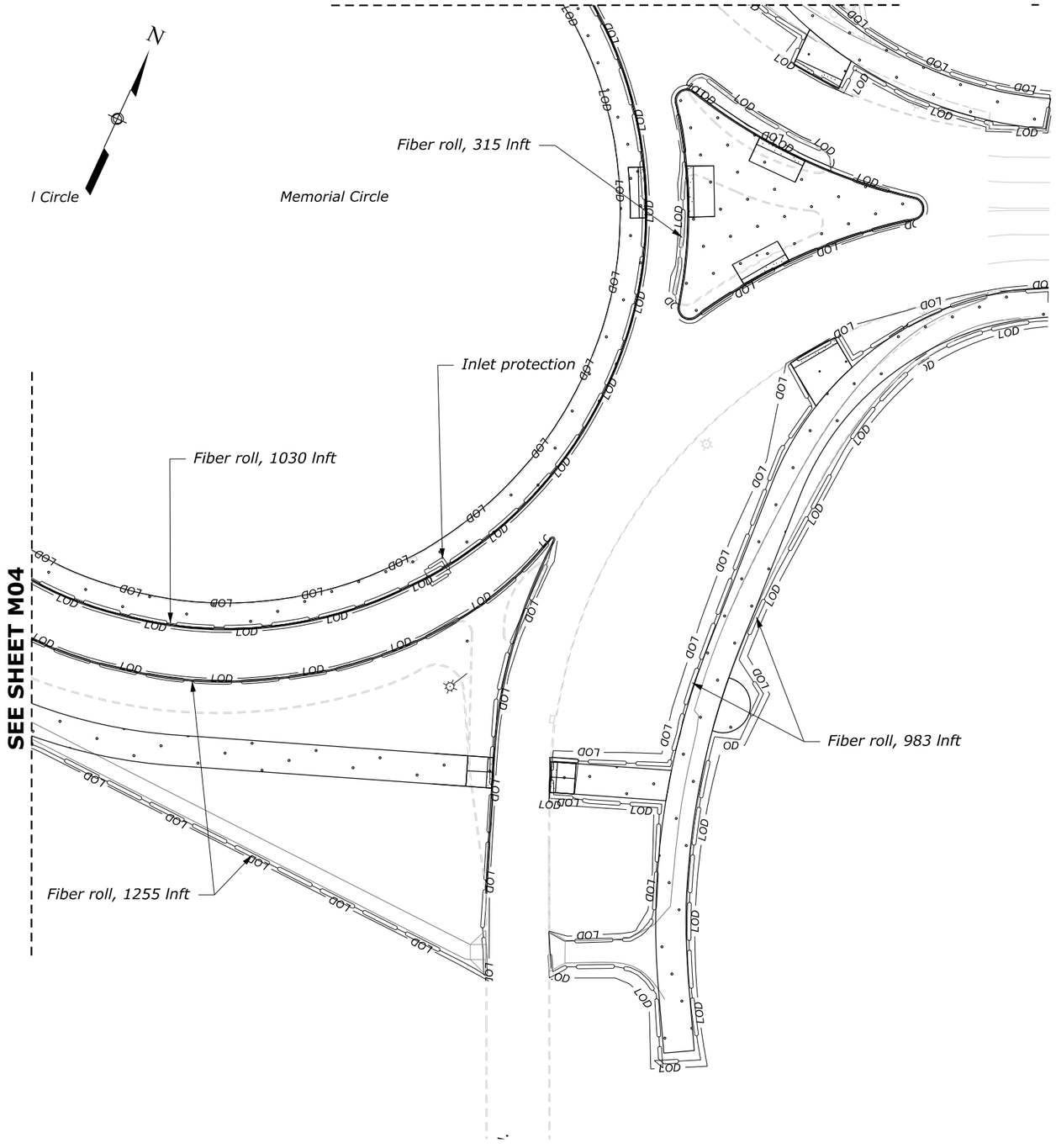

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EROSION AND SEDIMENT CONTROL PLAN

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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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL NARRATIVE

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

PROJECT	SHEET NUMBER
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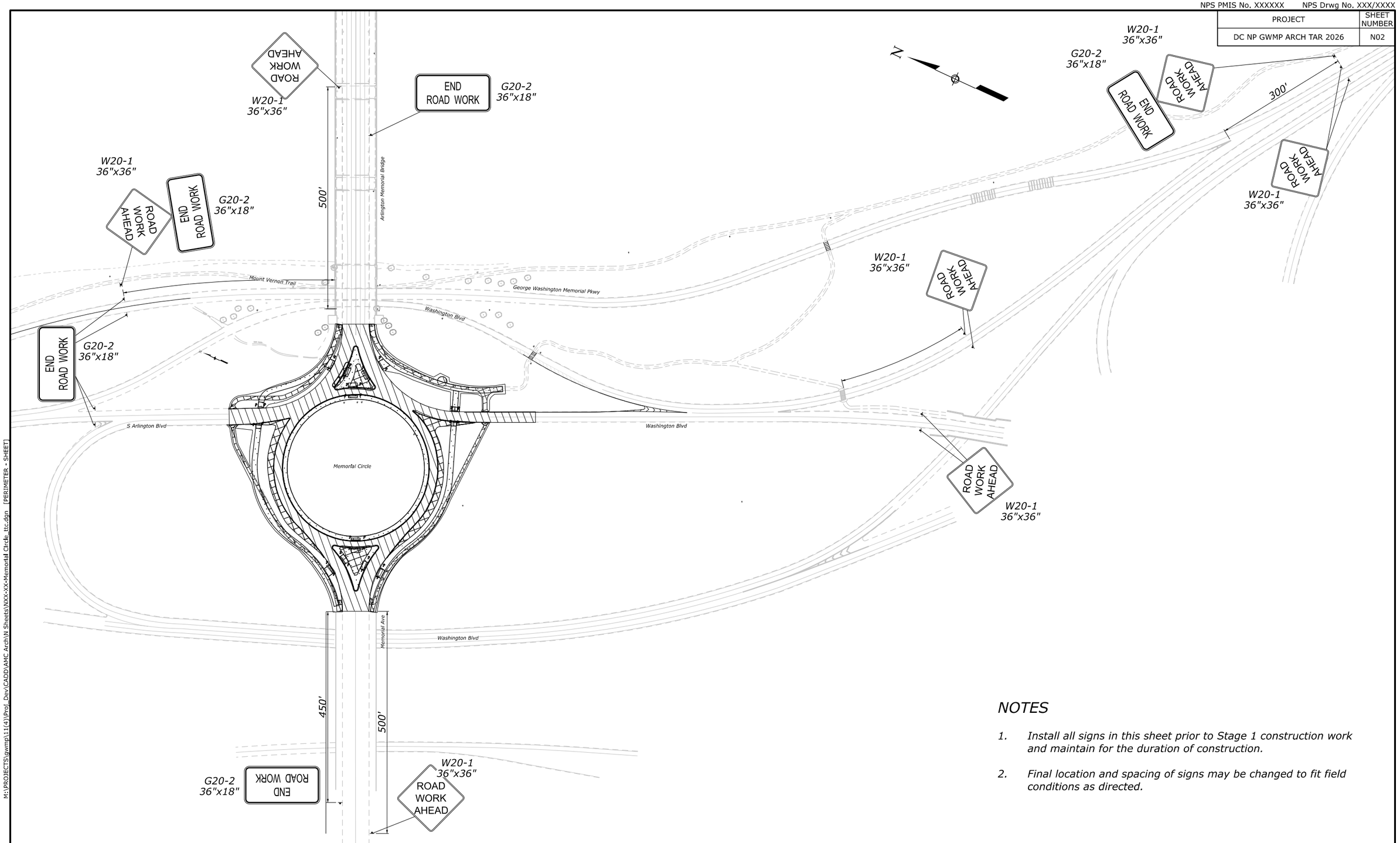

NOTES

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.*

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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

PERIMETER PLAN

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PROJECT	SHEET NUMBER
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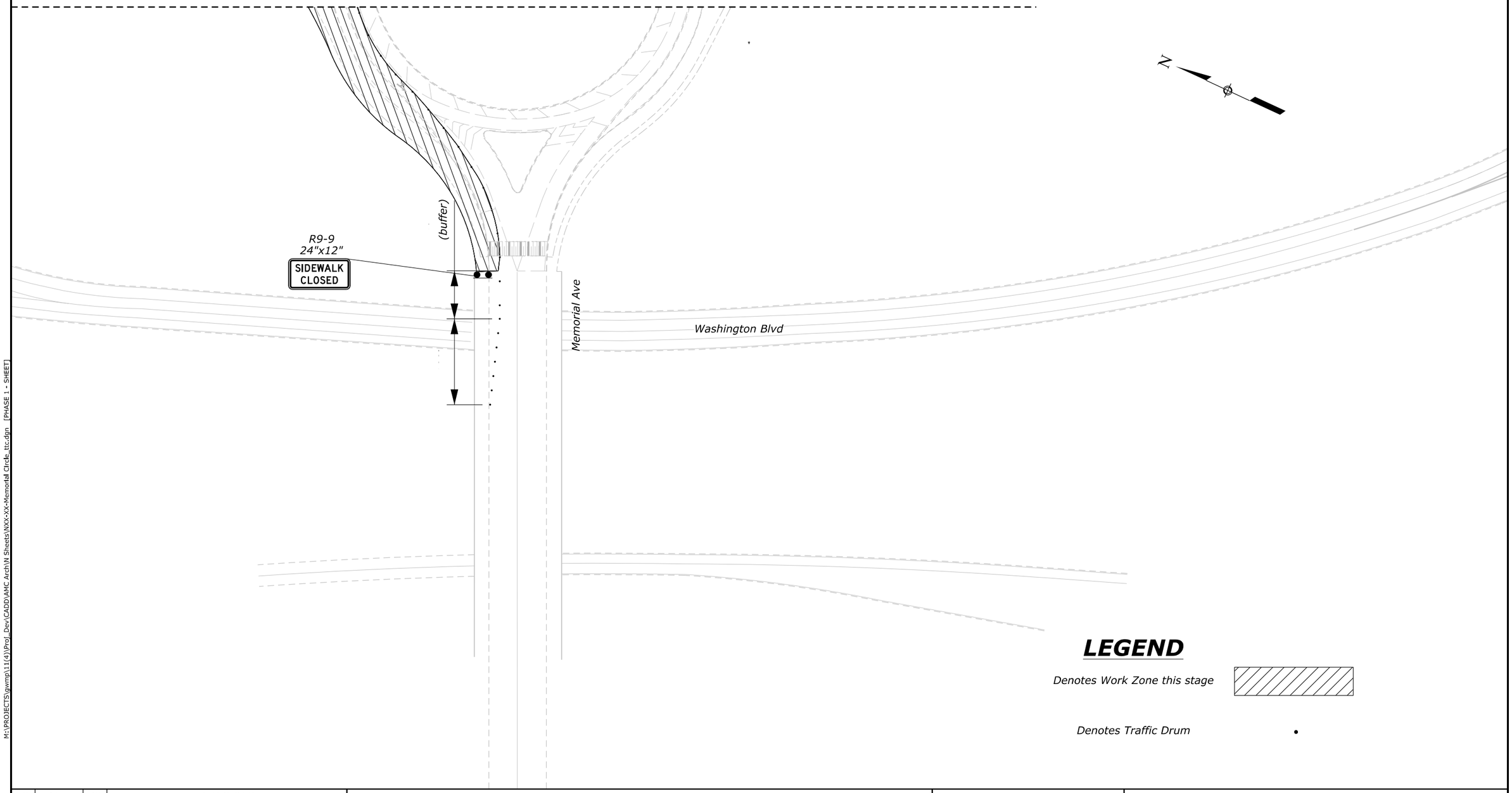

LEGEND

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 1

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PROJECT	SHEET NUMBER
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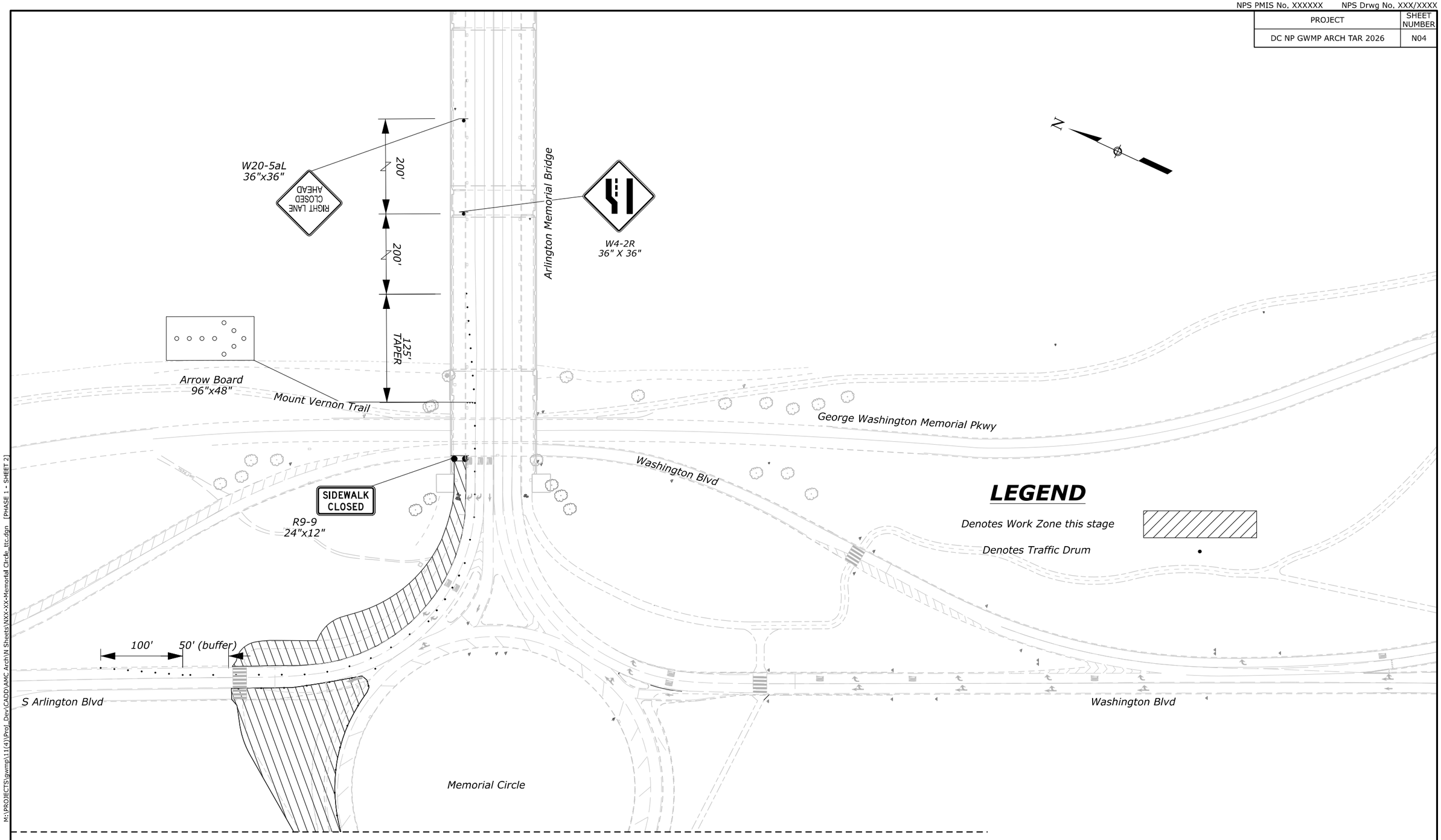

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GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 1

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PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N05

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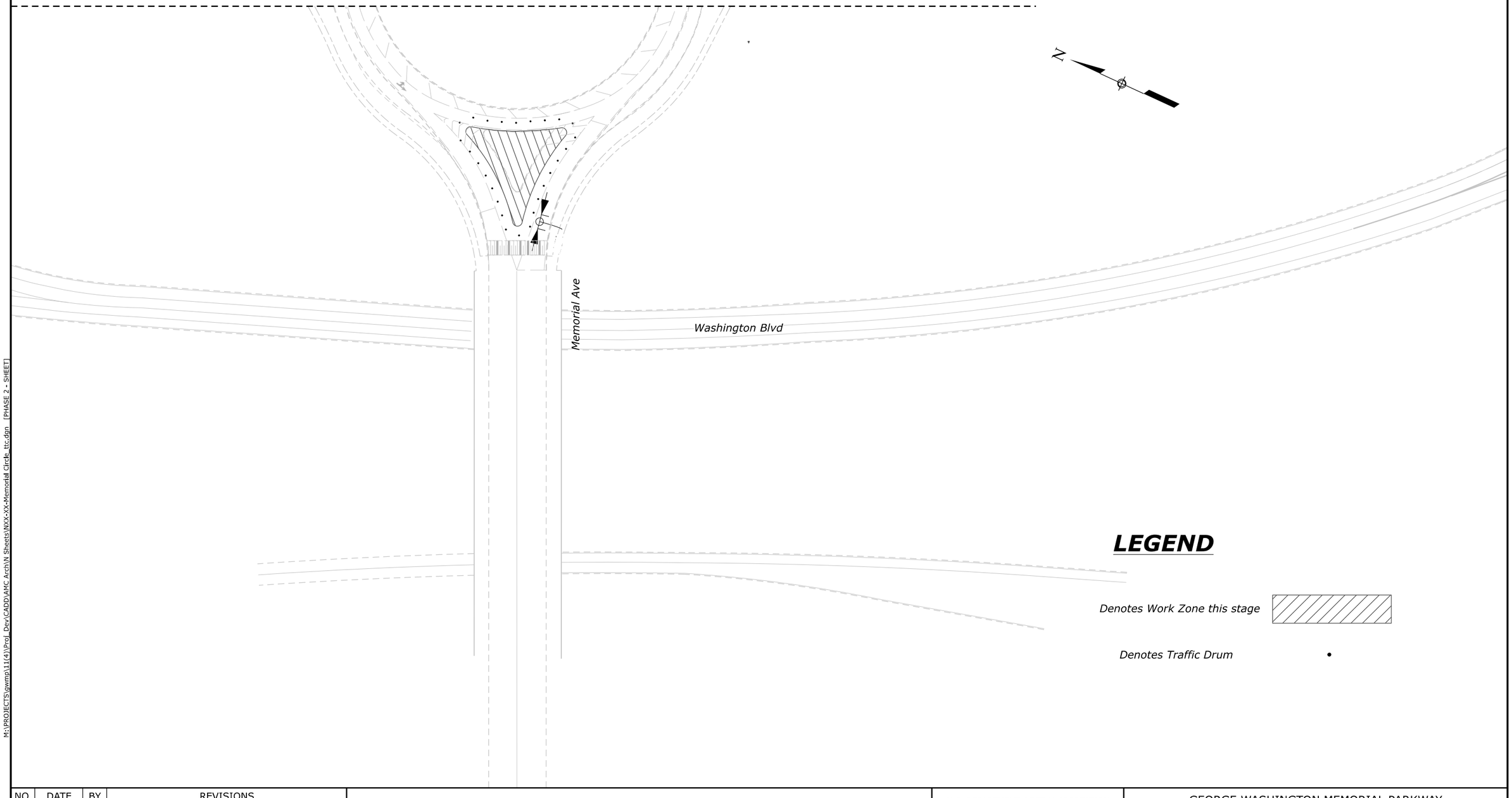

LEGEND

Denotes Work Zone this stage

Denotes Traffic Drum

NO.	DATE	BY	REVISIONS

U.S. DEPARTMENT OF TRANSPORTATION
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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

STAGE 2

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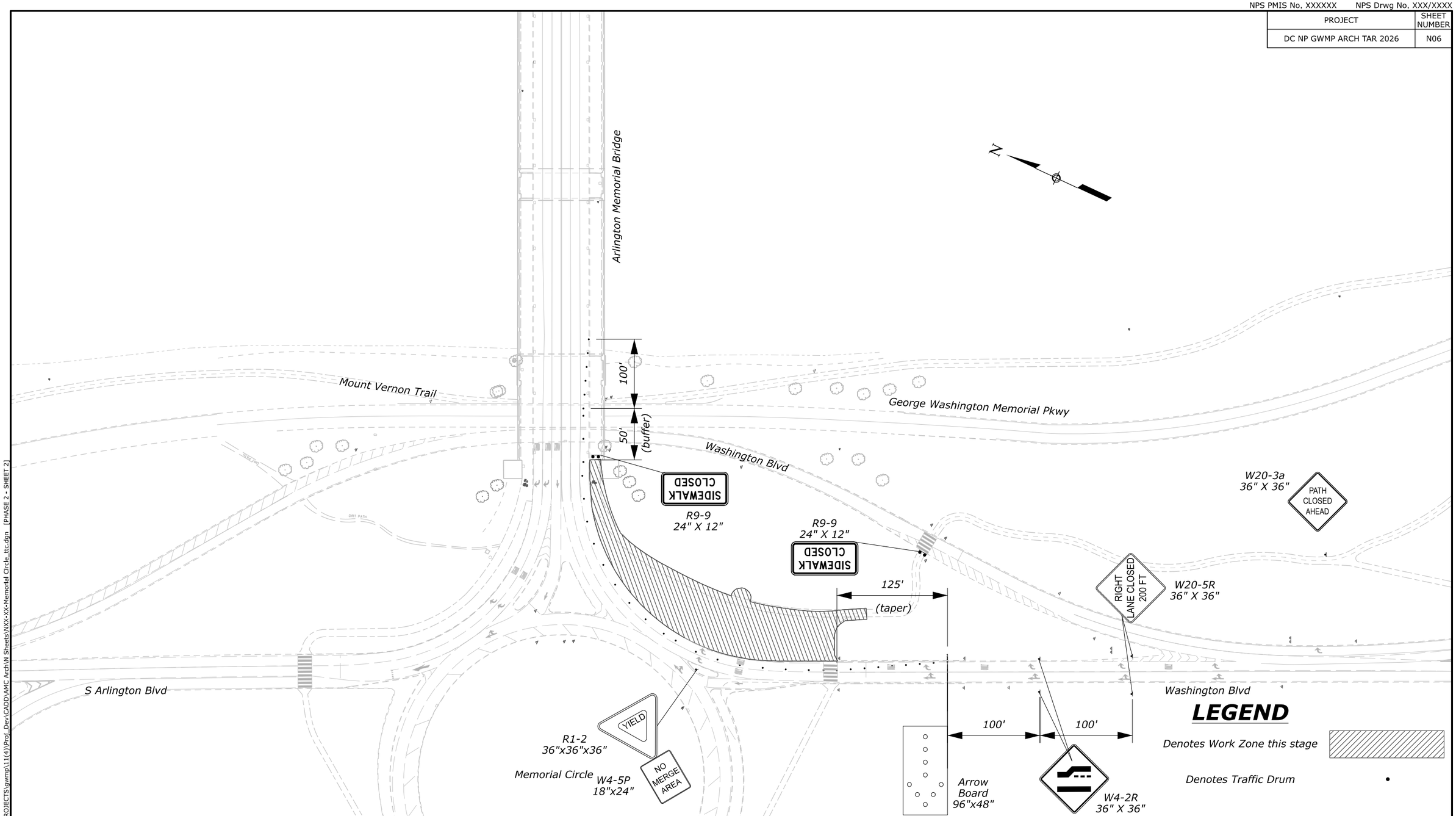
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N06



SEE SHEET N06

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 SIGNAL AND SIDEWALK IMPROVEMENT

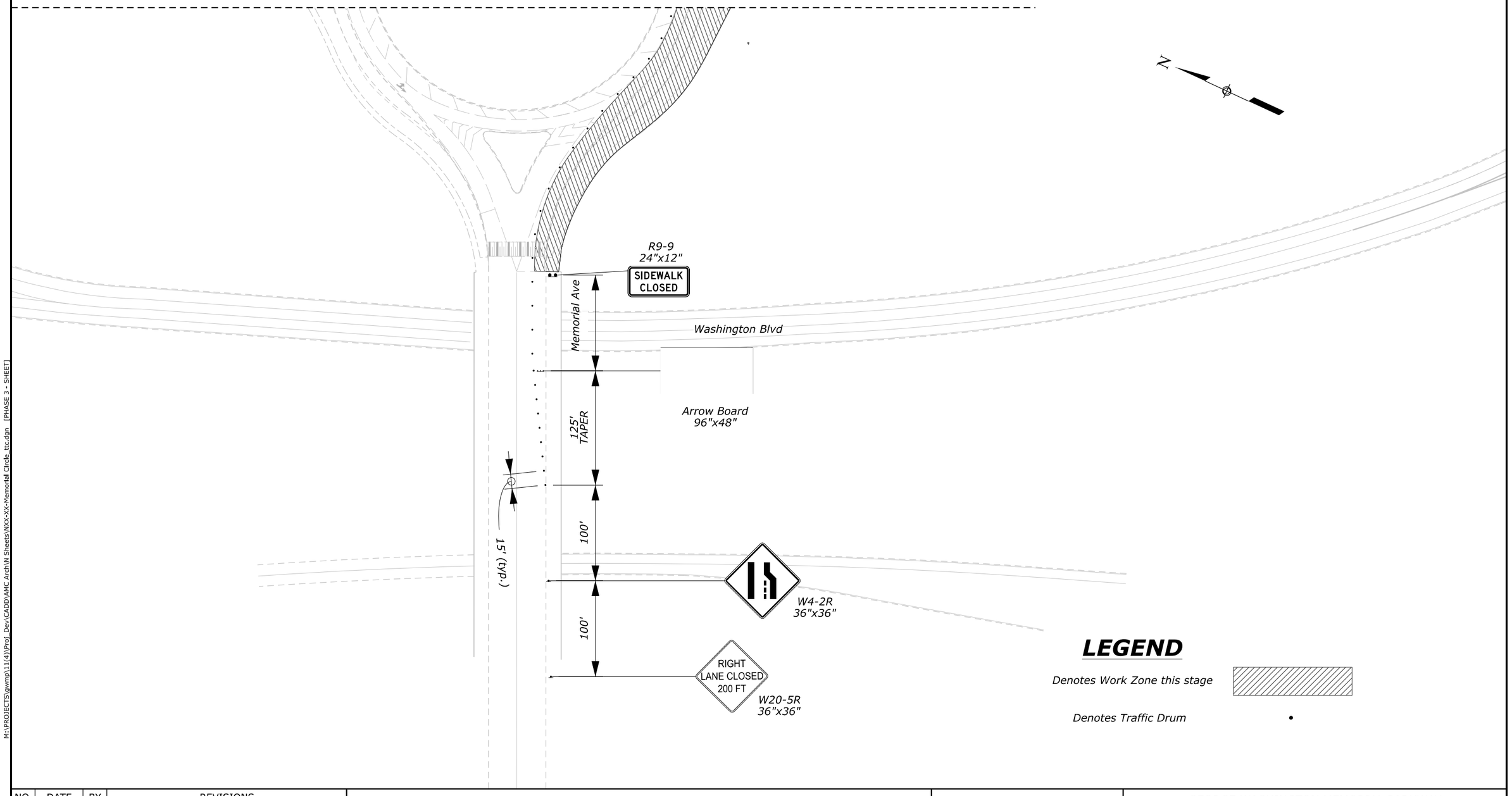
STAGE 2

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\N Sheets\NXX-XX-Memorial Circle_ttc.dgn [PHASE 2 - SHEET 2]
21 May 2026 6:19 PM

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N07

SEE SHEET N09



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

0 50 100
SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 3

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\N Sheets\WXX-XX-Memorial Circle_ntc.dgn [PHASE 3 - SHEET]
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

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

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 SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 3

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\N Sheets\NXX-XX-Memorial Circle_ttc.dgn [PHASE 3 - SHEET 2]

21 May 2026 6:19 PM

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N09

N

Memorial Circle

15' (typ.)

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

0 25 50
SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE SIGNAL AND SIDEWALK IMPROVEMENT

STAGE 4

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\N Sheets\NXX-XX-Memorial Circle_ ttc.dgn [PHASE 4 - SHEET]

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"

M4-9aL
30"x24"

DETOUR

M4-9aR
30"x24"

DETOUR

Construct temporary
aggregate path

W6-3
36"x36"

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"

Place temporary pavement markings,
white, 293 lnft

Place temporary pavement markings,
yellow, 2756 lnft

ROAD
CLOSED

R11-2
48"x30"

W1-6R
48"x24"

mounted on Type 3 barricade

R9-9
24"x12"

M4-9aR
30"x24"

SIDEWALK
CLOSED

DETOUR

R9-9
24"x12"

M4-9aR
30"x24"

mounted on Type 3 barricade

350'

Washington Blvd

ARLINGTON
MEMORIAL CIRCLE
CLOSED
AHEAD

W20-3 (mod.)
36"x36"

R11-2
48"x30"

W1-6L
48"x24"

mounted on Type 3 barricade

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
SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARKWAY

TEMPORARY TRAFFIC CONTROL PLAN FOR THE CONSTRUCTION OF THE ARCH

DETOUR ROUTE

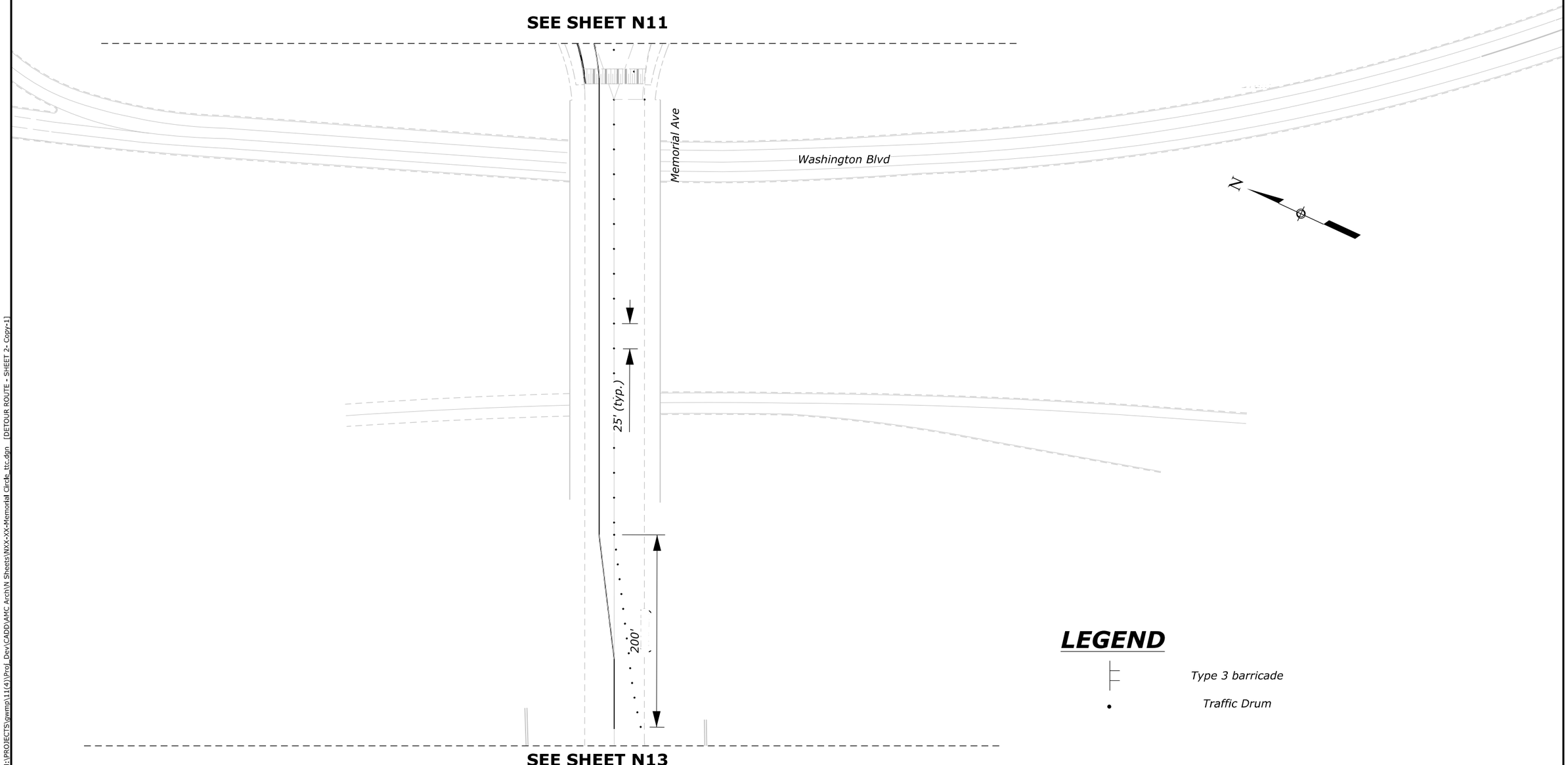
M:\PROJECTS\gwmp\11(4)\Prof_Dev\CADD\AMC Arch\N Sheets\NXX-YX-Memorial Circle- ttc.dgn [DETOUR ROUTE - SHEET]

21 May 2026 6:19 PM

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N11

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

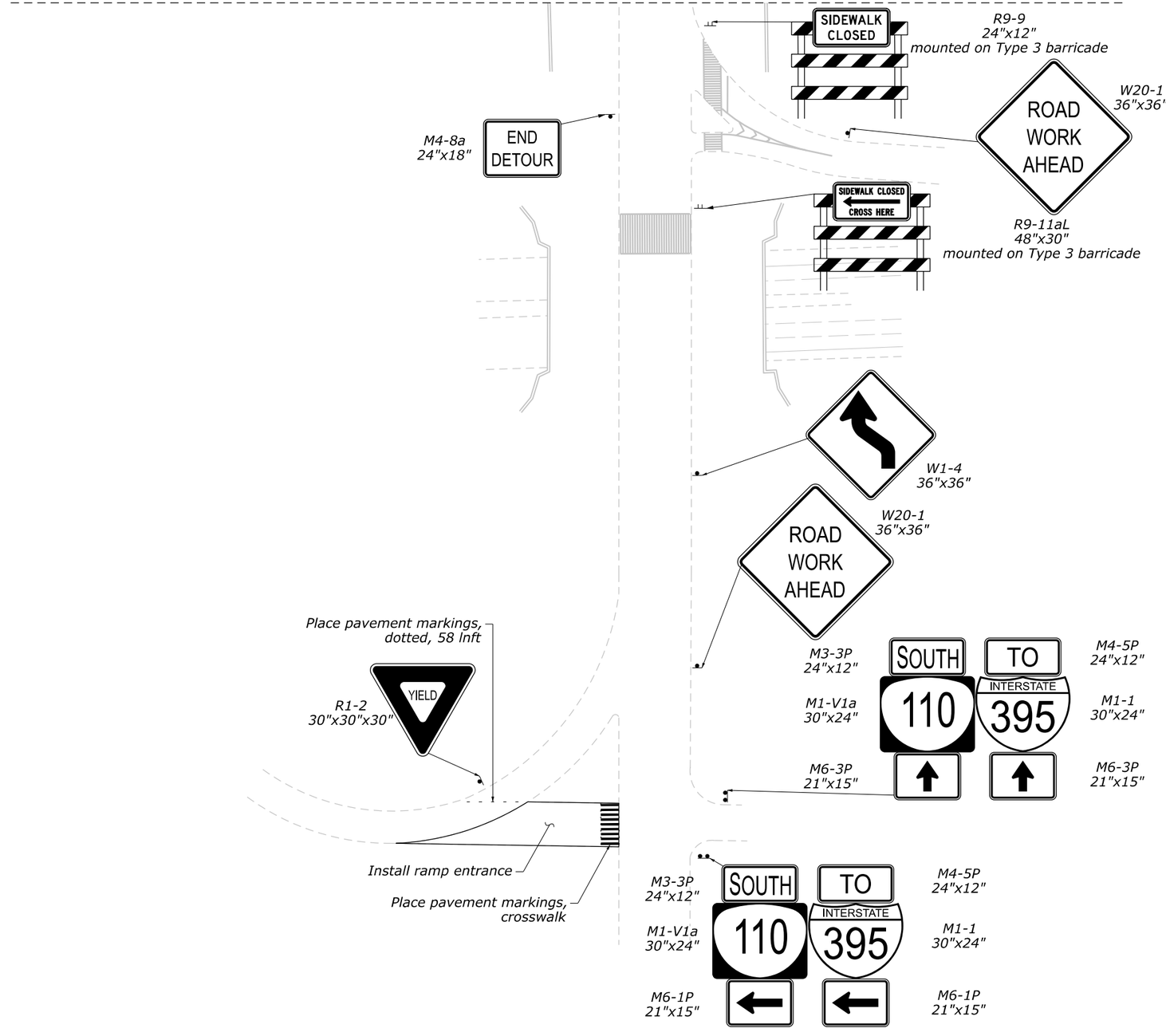
DETOUR ROUTE

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\N Sheets\NXX-XX-Memorial Circle_ttc.dgn [DETOUR ROUTE - SHEET 2 - Copy-1]

21 May 2026 6:19 PM

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	N12

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

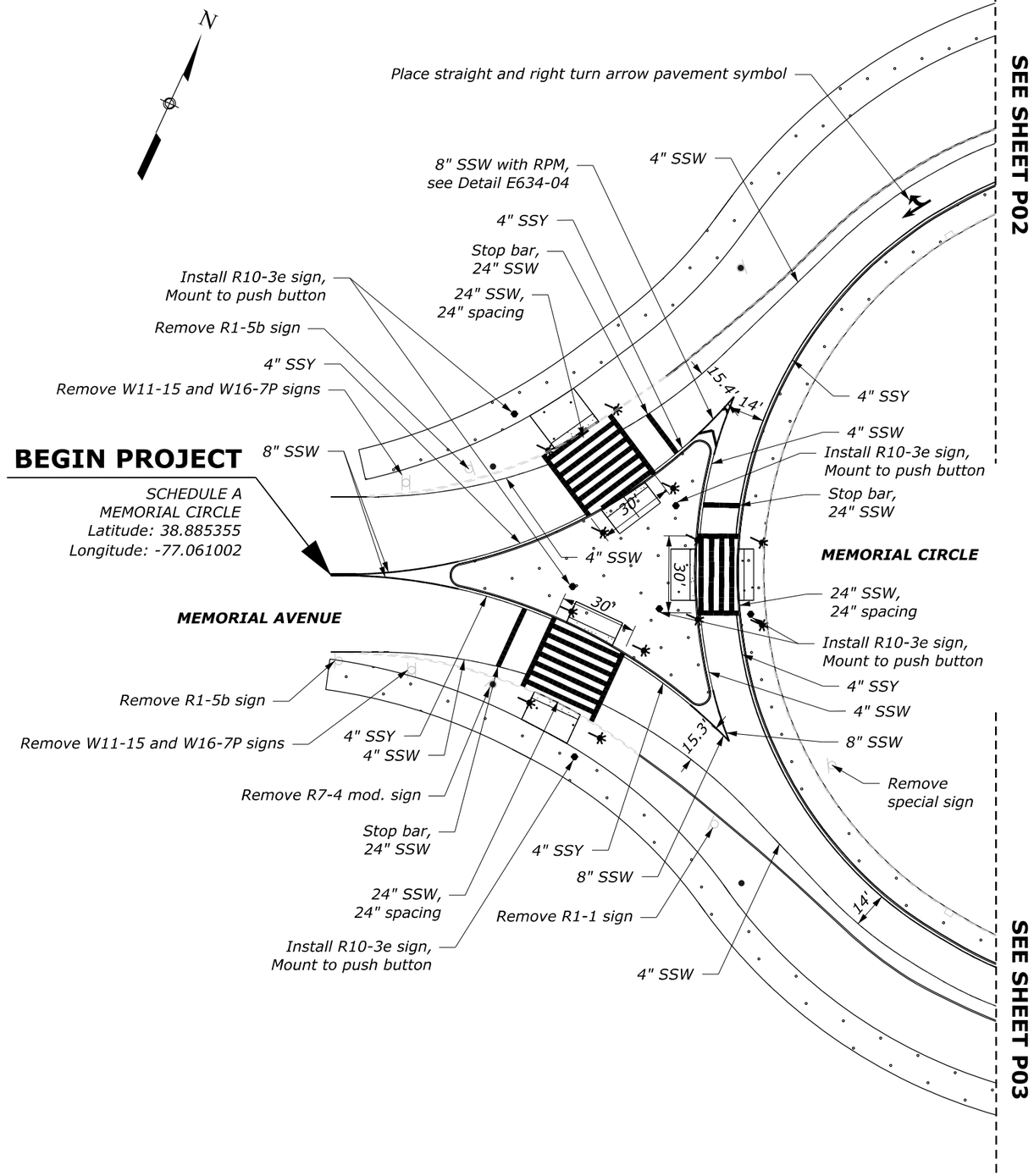
DETOUR ROUTE

M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\N Sheets\NXX-XX-Memorial Circle_ttc.dgn [DETOUR ROUTE - SHEET 3]

21 May 2026 6:19 PM

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	P01



NO.	DATE	BY	REVISIONS

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

0 25 50
SCALE IN FEET

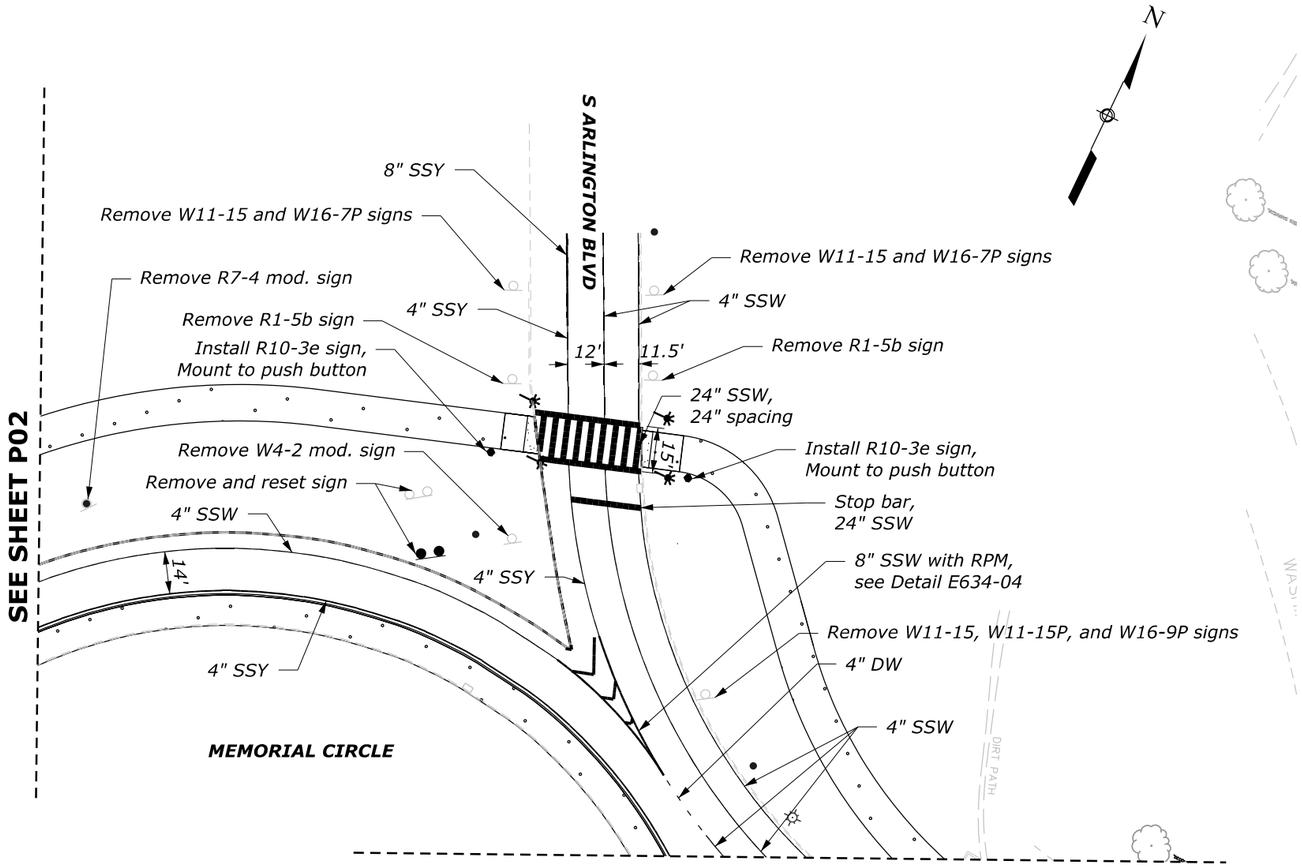
GEORGE WASHINGTON MEMORIAL PARK

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

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

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

0 25 50
SCALE IN FEET

GEORGE WASHINGTON MEMORIAL PARK

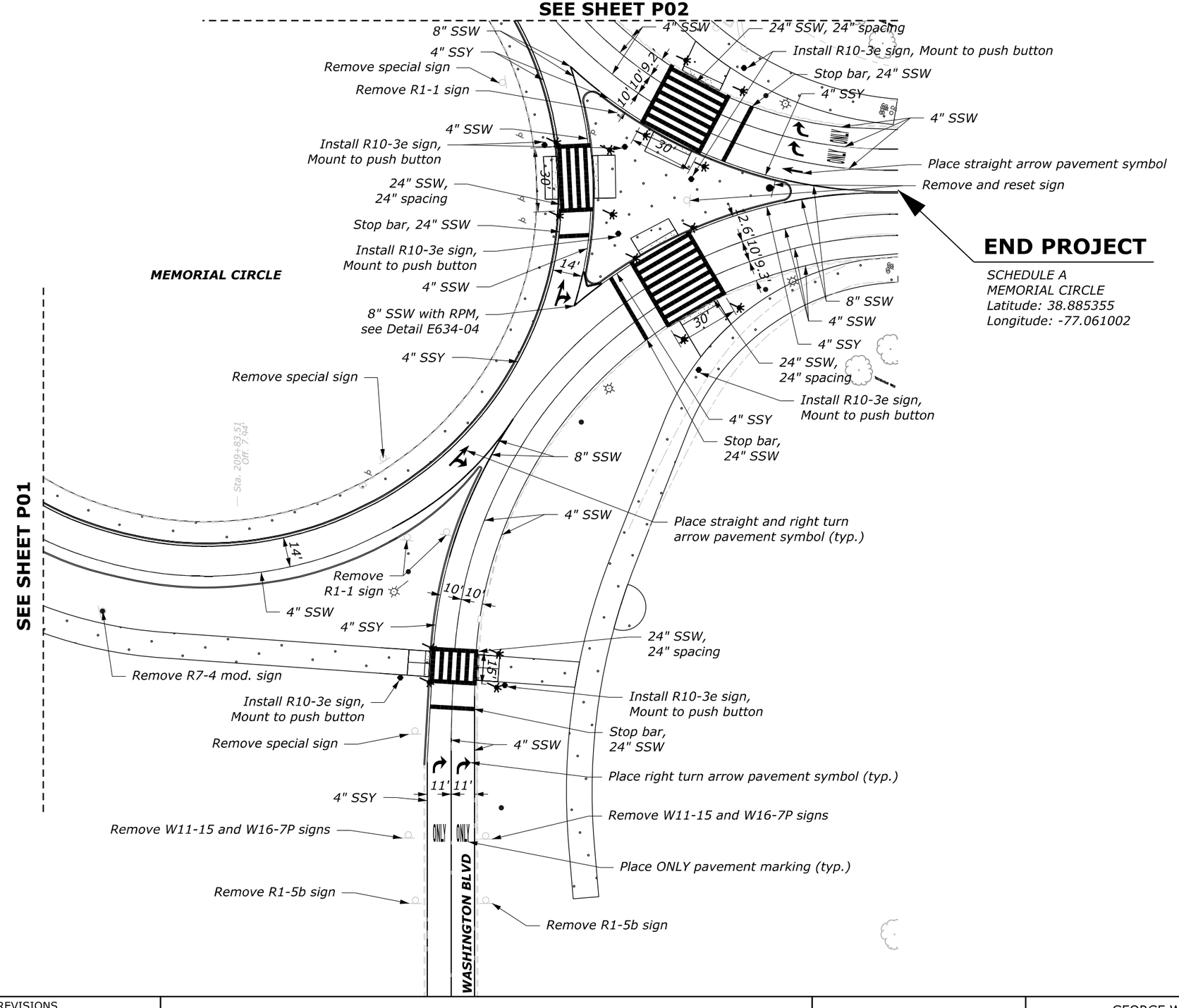
PAVEMENT MARKING AND SIGNING PLAN

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

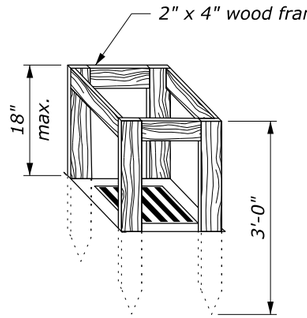
0 25 50
SCALE IN FEET

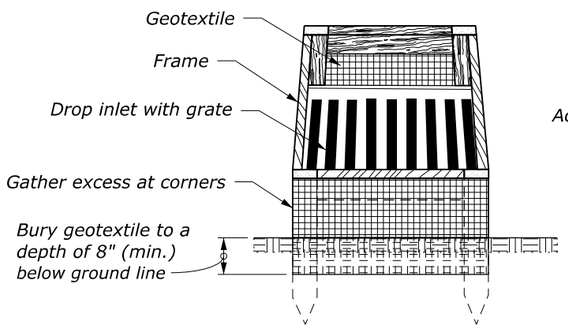
GEORGE WASHINGTON MEMORIAL PARK

PAVEMENT MARKING AND SIGNING PLAN

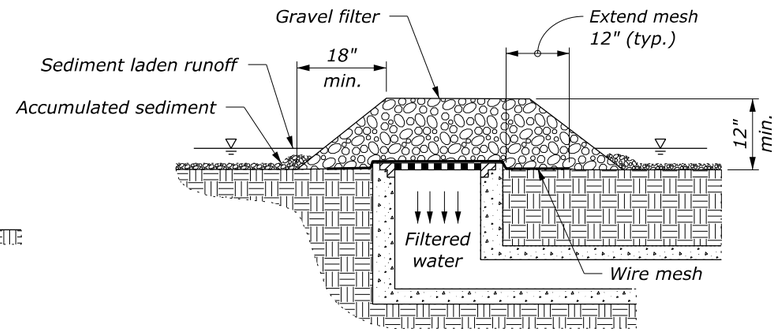
21 May 2026 7:12 PM M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\P01-P03_Memorial Circle.dgn [P03 [SHEET]]

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S01





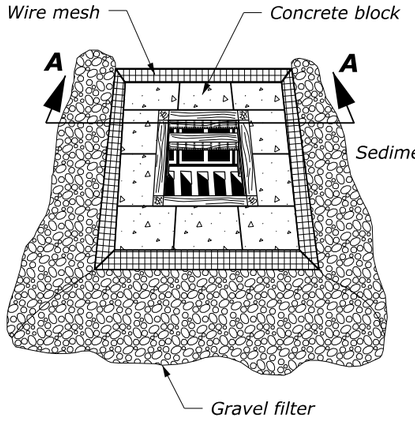
SILT FENCE DROP INLET PROTECTION (TYPE A)

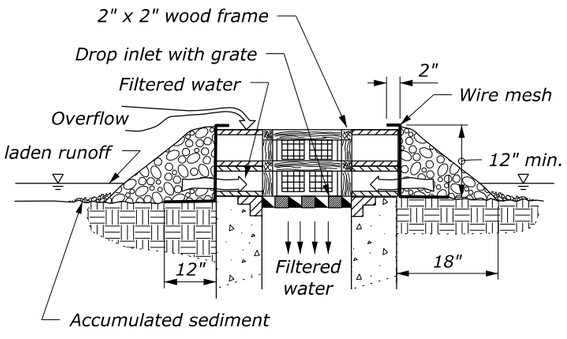


GRAVEL AND WIRE MESH DROP INLET PROTECTION (TYPE B)

NOTE:

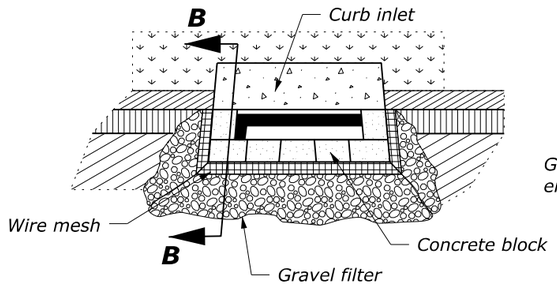
1. For gravel filters use 2" to 3" diameter coarse aggregate.
2. Use wire mesh with ½" x ½" openings.
3. Use type A inlet protection in sump locations only.
4. Use type B inlet protection only in sump locations where heavy concentrated flows are not expected. Do not use where ponding around the structure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

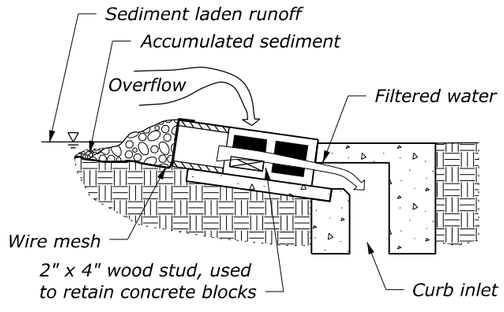




SECTION A-A

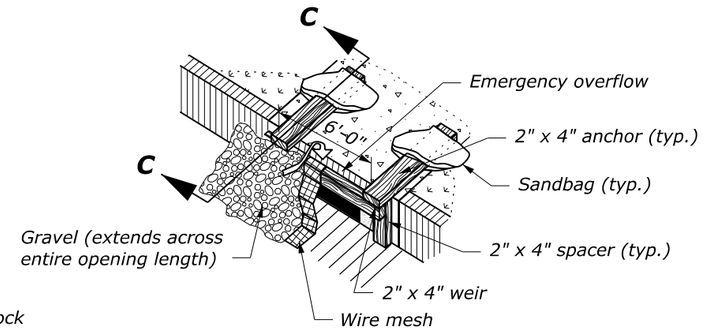
BLOCK AND GRAVEL DROP INLET PROTECTION (TYPE C)

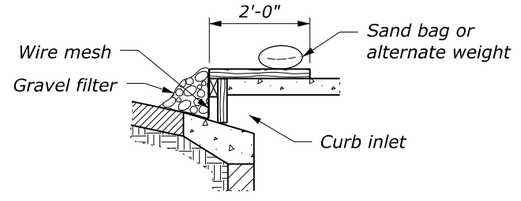




SECTION B-B

CURB INLET PROTECTION, BLOCK AND GRAVEL (TYPE D)





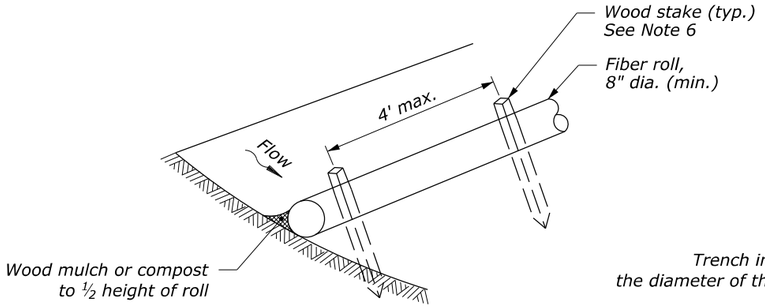
SECTION C-C

CURB INLET PROTECTION, WOODEN WEIR (TYPE E)

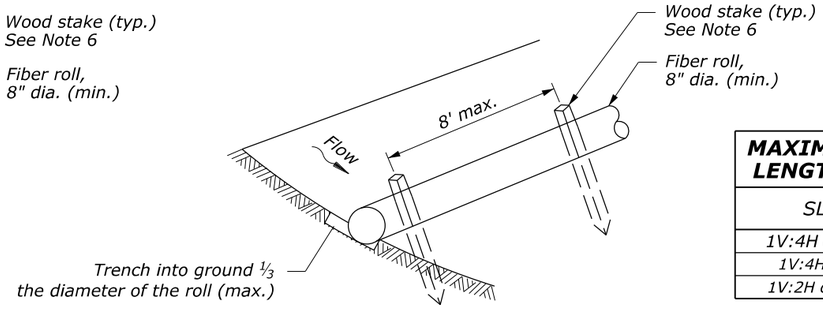
NO SCALE

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S02



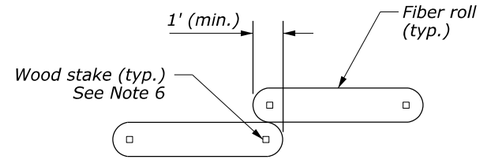
UNTRENCHED INSTALLATION



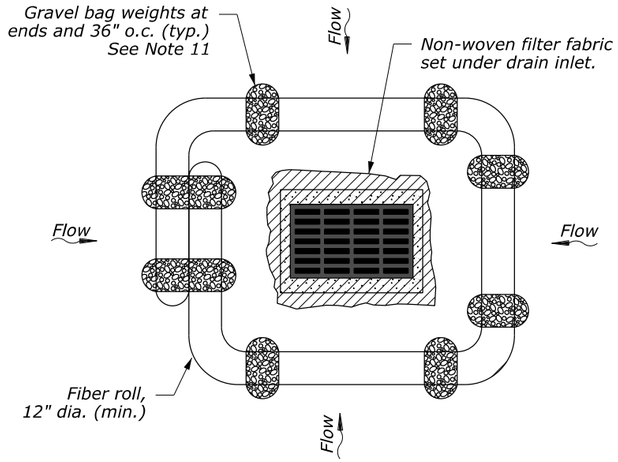
ENTRENCHED INSTALLATION

FIBER ROLL ISOMETRIC VIEW

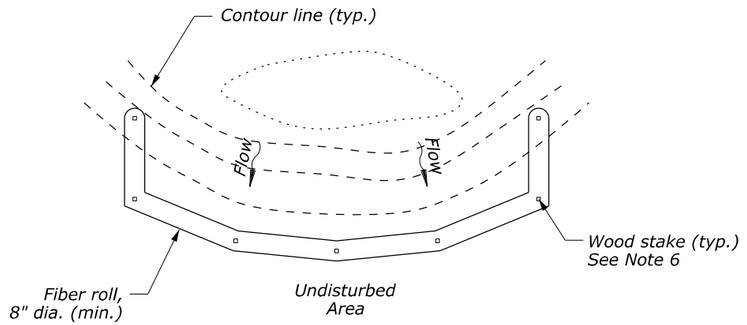
MAXIMUM ALLOWABLE SLOPE LENGTH ABOVE FIBER ROLLS	
SLOPE	MAX INTERVAL
1V:4H or Flatter	20 ft
1V:4H - 1V:2H	15 ft
1V:2H or Steeper	10 ft



FIBER ROLL OVERLAP



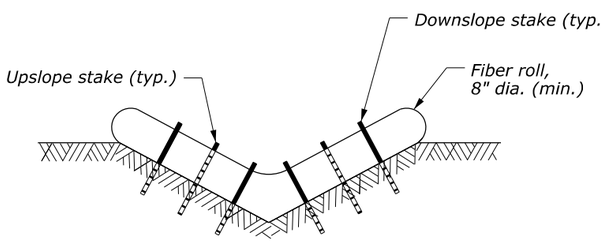
INLET PROTECTION



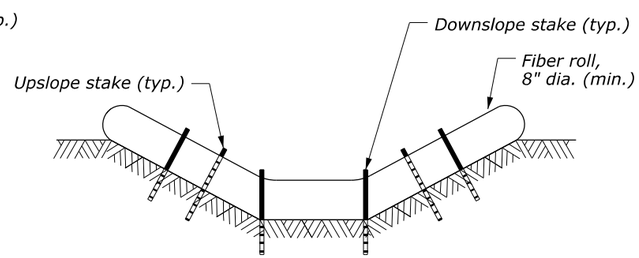
PLAN VIEW

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

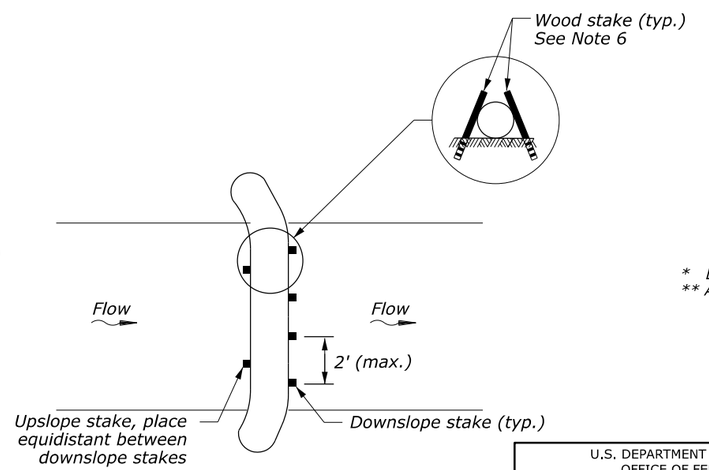


TRAPEZOIDAL DITCH

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

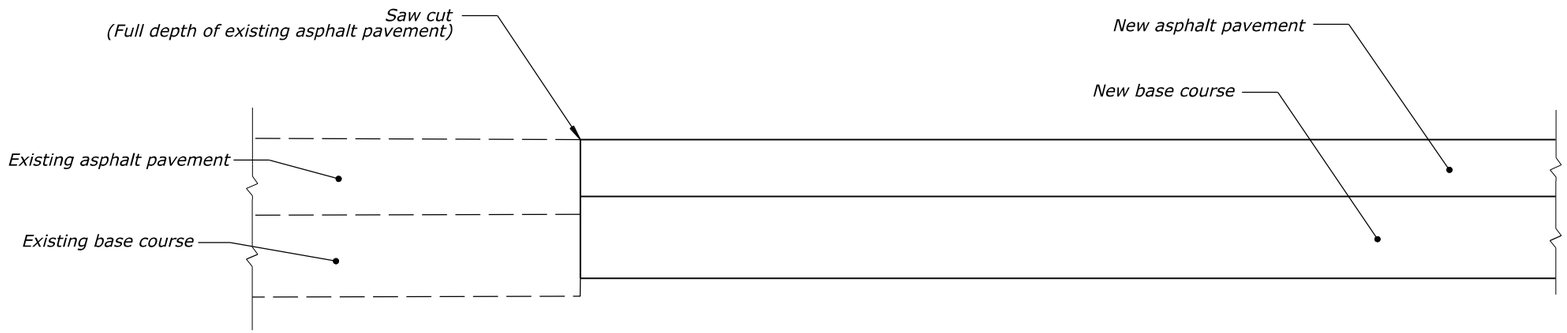
FIBER ROLL

EFLHD DETAIL
E157-04

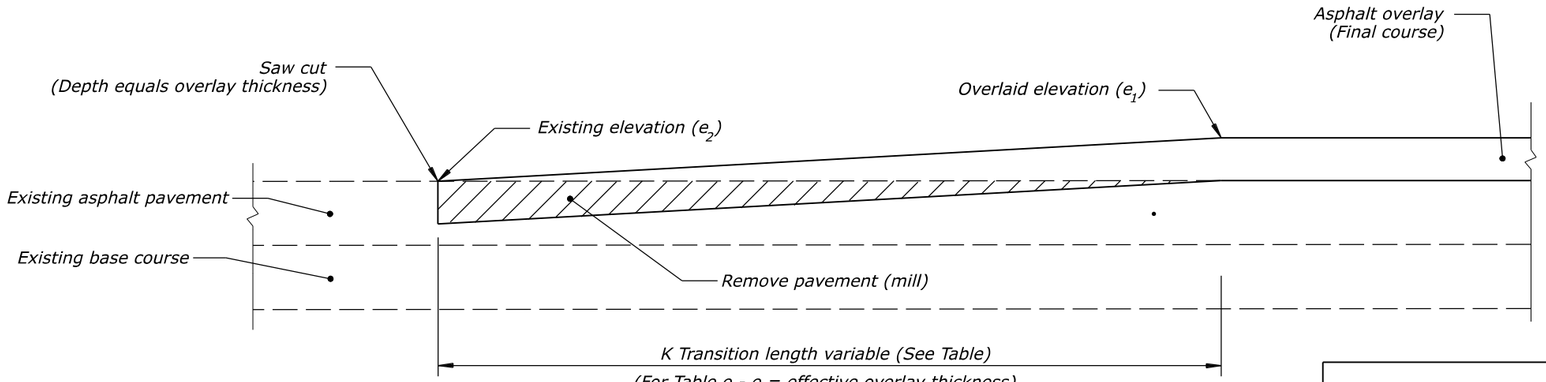
SPECIFICATION
FP-24, FP-14

APPROVED FOR USE
05/2024

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.

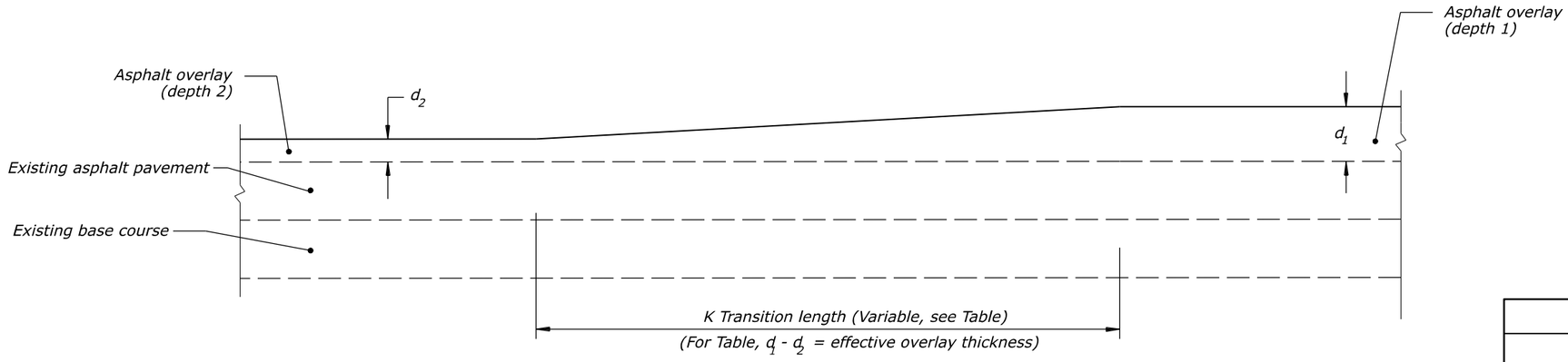
Use $K*[e_1 - e_2] = T$, or $K*[d_1 - d_2] = T$ (whichever applies), to obtain the transition length. (Minimum transition length=30 feet)

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

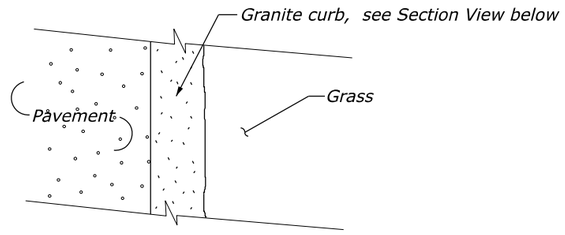
PAVEMENT TRANSITIONS

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

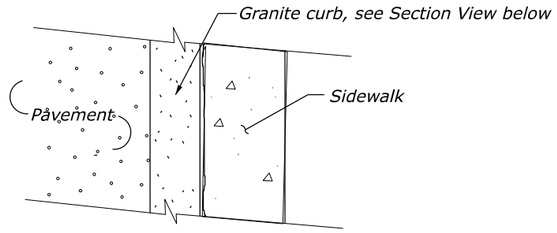
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S04

NOTE:

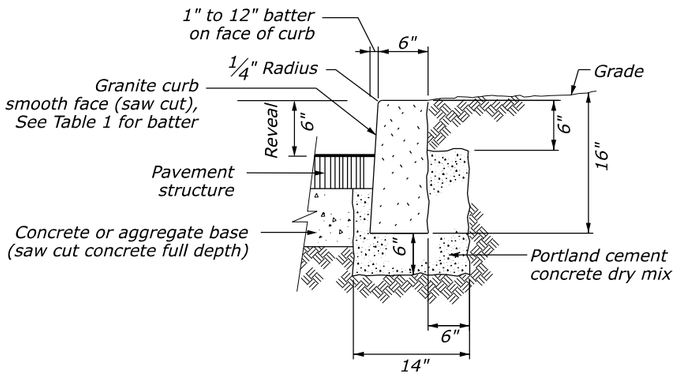
Place transverse expansion joints at intervals of not more than 60 feet for curbs and sidewalks.



PLAN VIEW

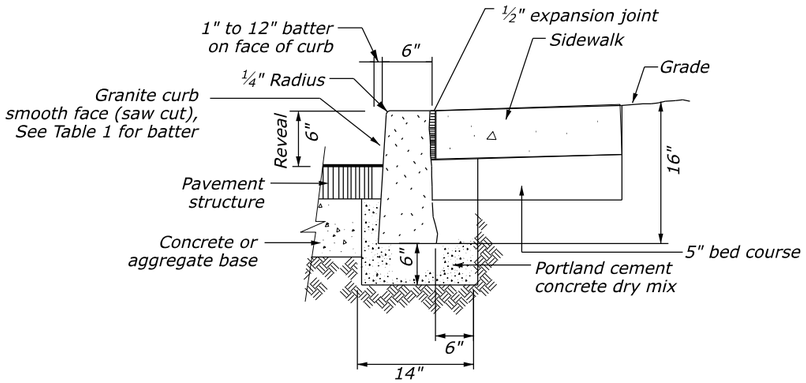


PLAN VIEW



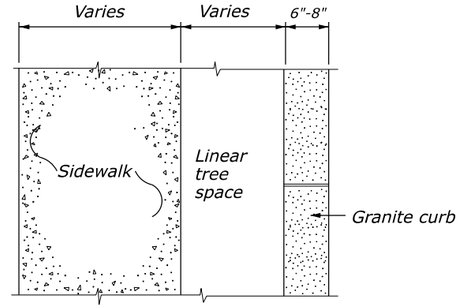
SECTION VIEW

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

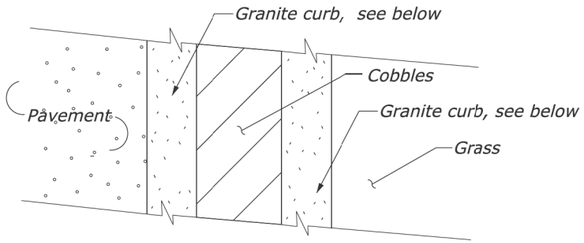
GRANITE CURBS

EFLHD DETAIL
E609-02

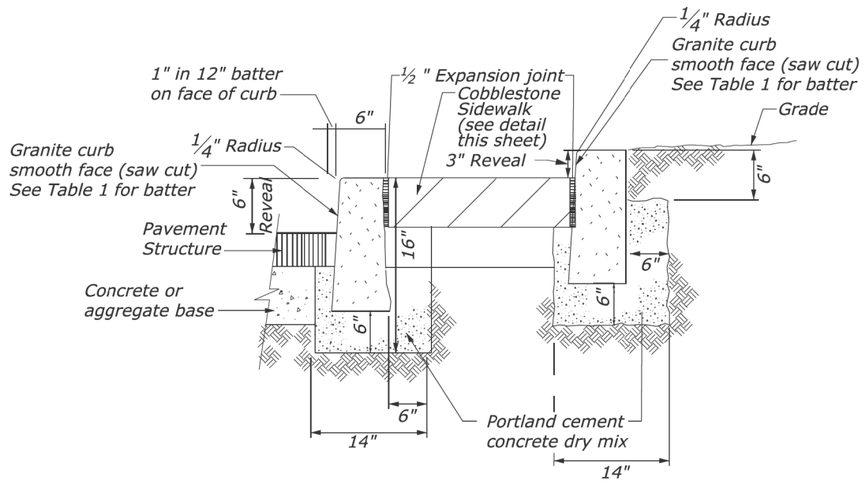
SPECIFICATION
FP-24. FP-14

APPROVED FOR USE
05/2024

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S05



PLAN



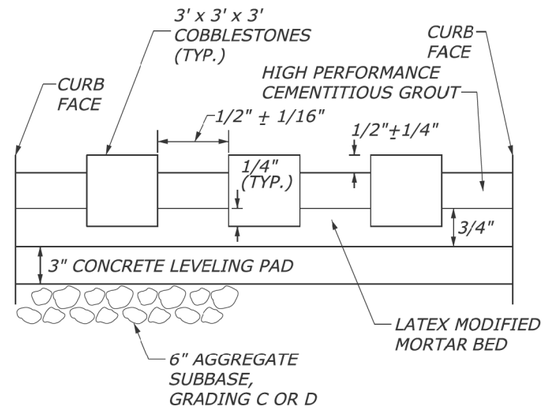
SECTION

(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.

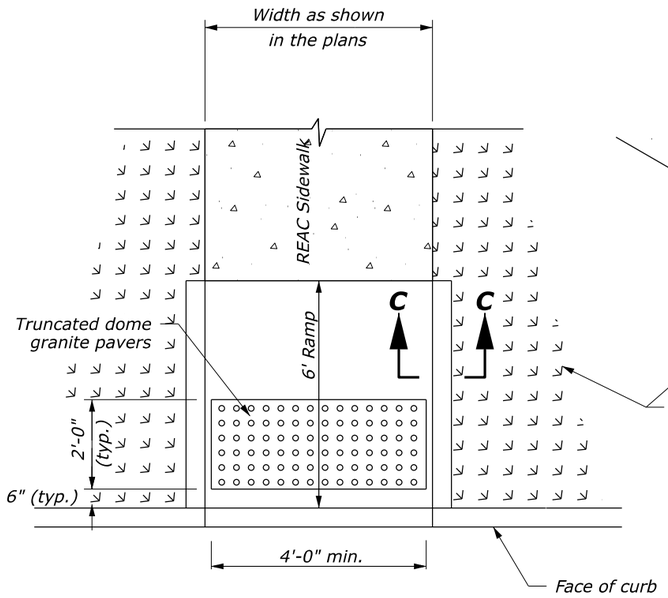


COBBLESTONE SIDEWALK DETAIL (NTS)

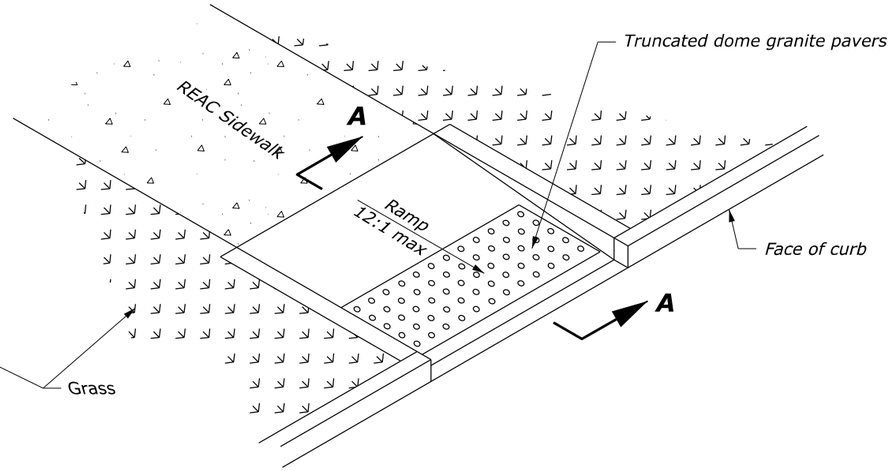
NO SCALE

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

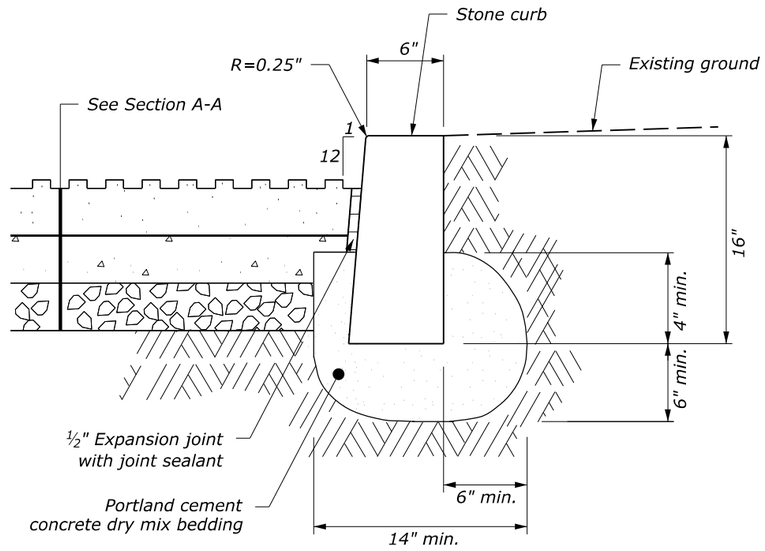
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S06



PLAN VIEW

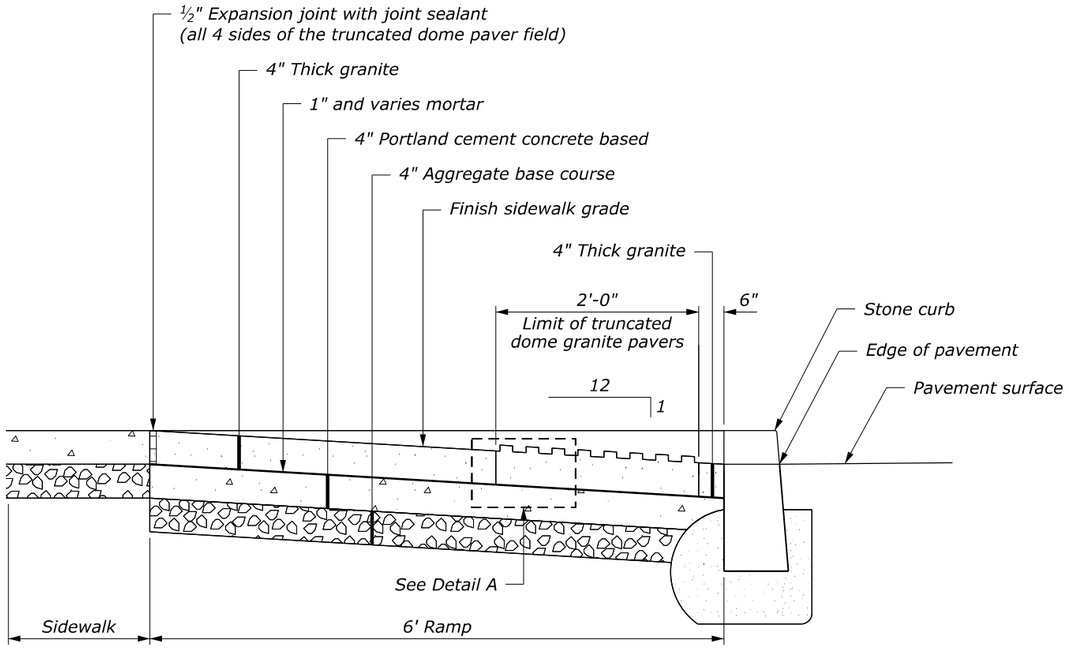


ISOMETRIC VIEW

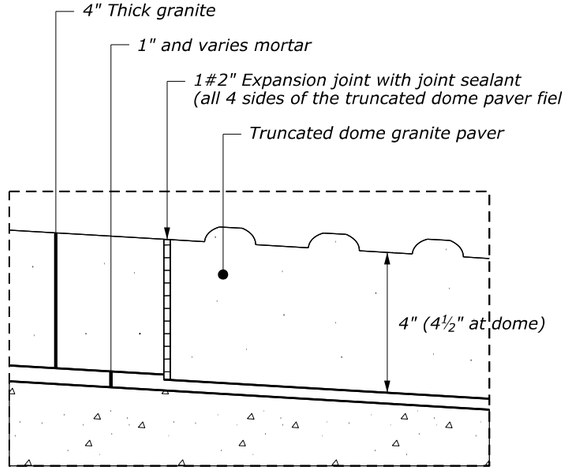


SECTION C-C

TYPE C RAMP

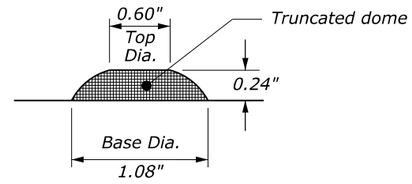


SECTION A-A

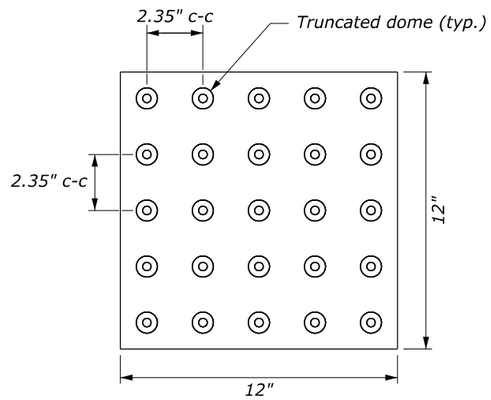


DETAIL A

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	

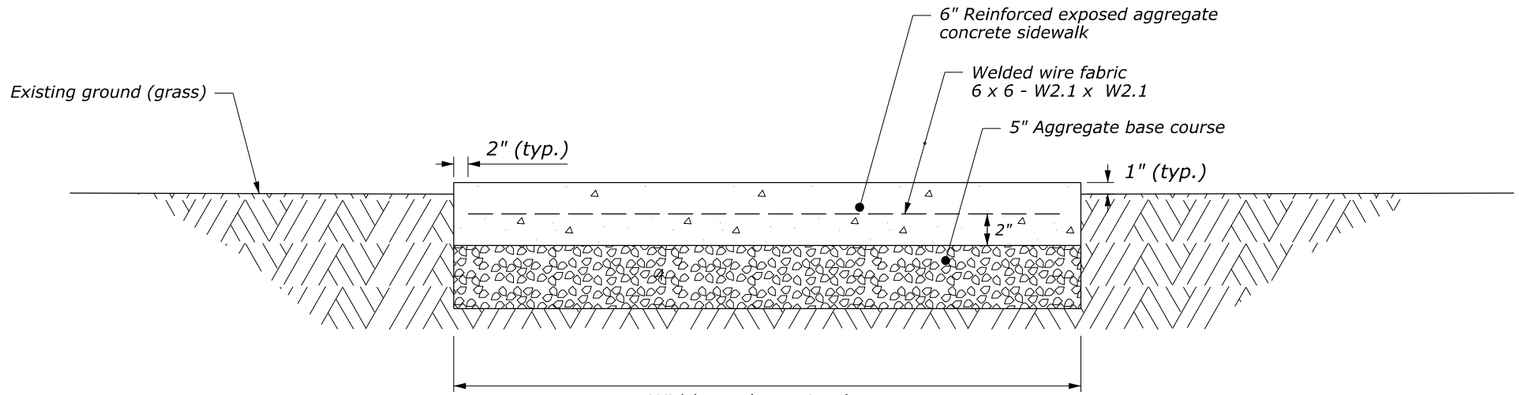
M:\PROJECTS\gwmp\11(4)\Proj_Dev\CADD\AMC Arch\Std-Det\std610A_AccessibilityTyp-Ramp.dgn [615-4]

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.*

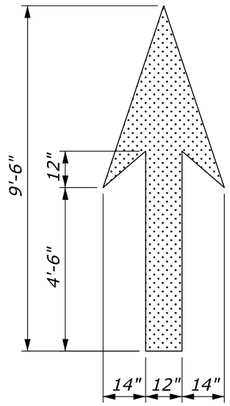


SIDEWALK WITHOUT CURB

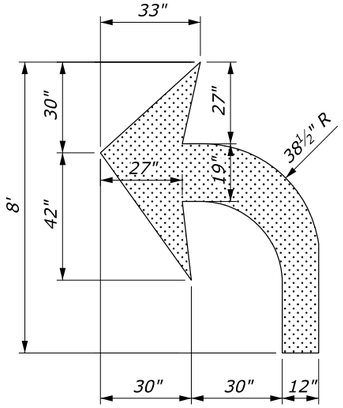
NO SCALE

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

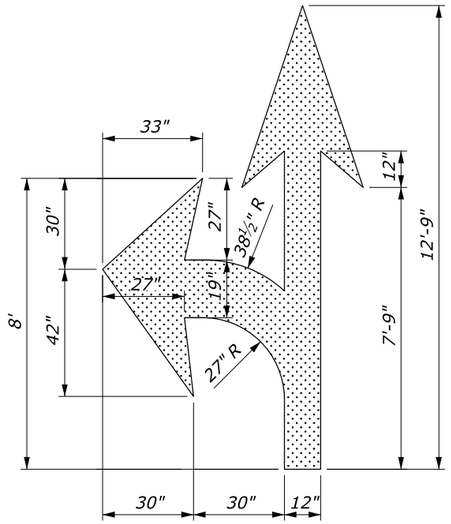
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S08



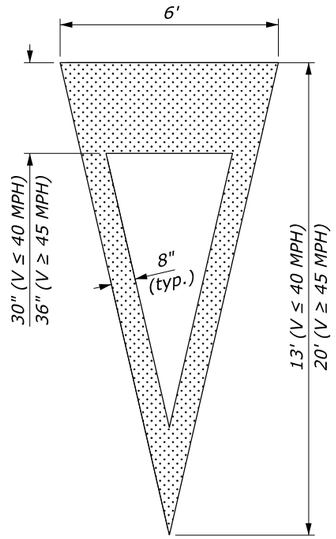
STRAIGHT ARROW SYMBOL



TURN ARROW SYMBOL



STRAIGHT/TURN ARROW COMBINATION SYMBOL

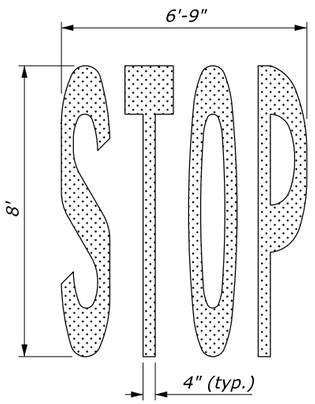


YIELD AHEAD TRIANGLE SYMBOL

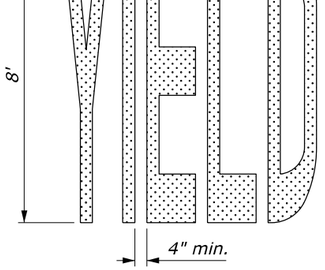
NOTES:

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:

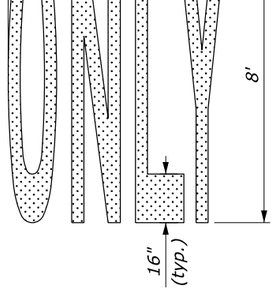
   (a) w/ Symbol only; or
   (b) w/ Symbol, blue background, and white border



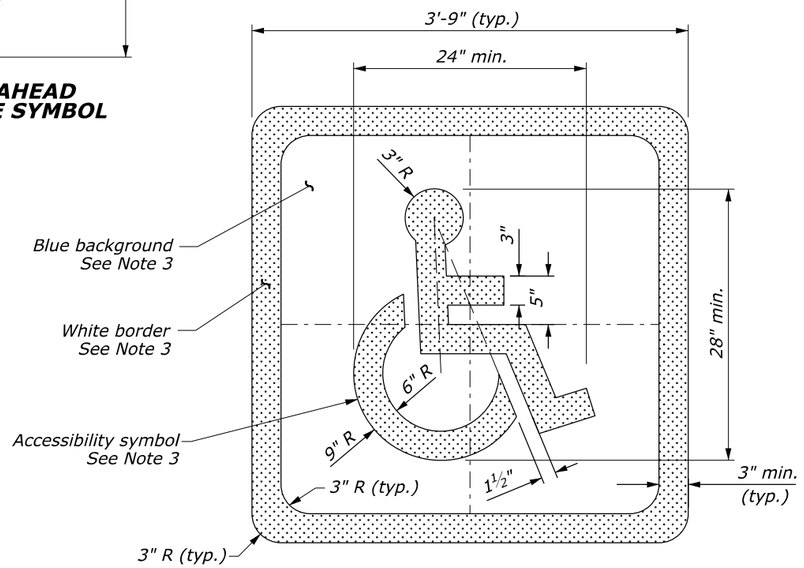
"STOP" WORD MESSAGE

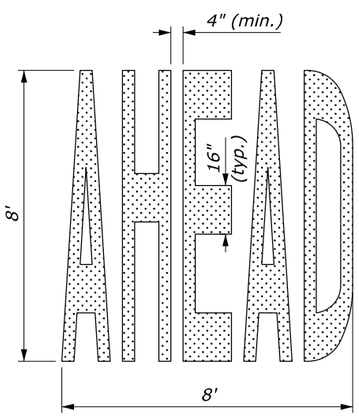


"YIELD" WORD MESSAGE

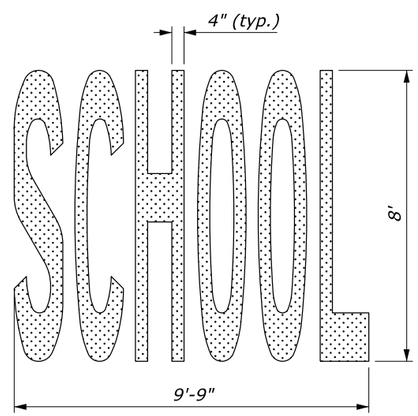


"ONLY" WORD MESSAGE





"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

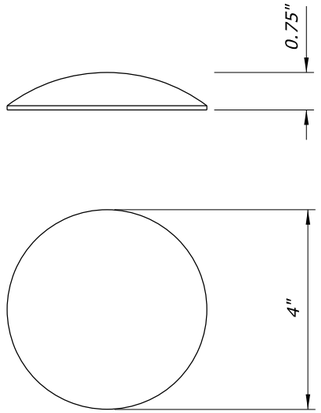
SPECIFICATION
FP-24, FP-14

APPROVED FOR USE
06/2024

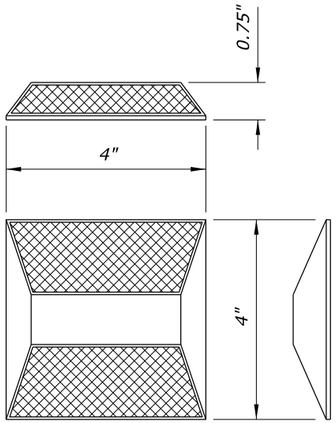
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S09

NOTES:

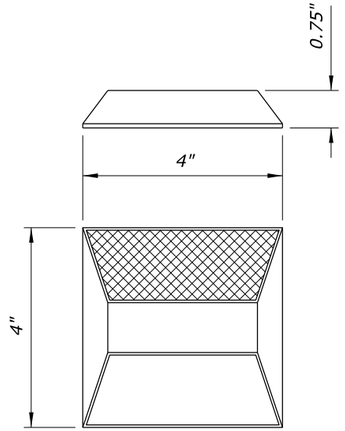
1. *Provide reflective markers with either clear (white), yellow or red colors as specified.*
2. *Ensure the shell of the marker is made of one color or a combination of colors the same as the reflector.*



NON-REFLECTIVE

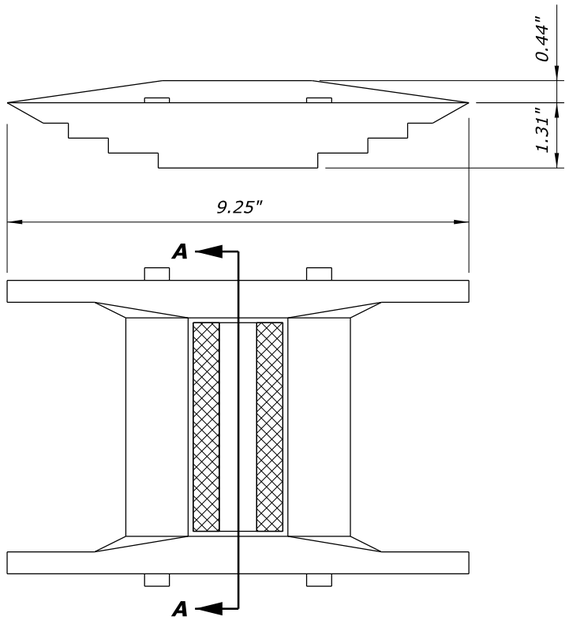


BI-DIRECTIONAL

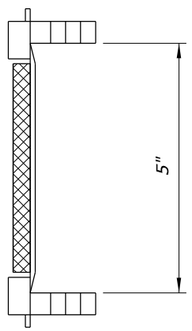


MONO-DIRECTIONAL

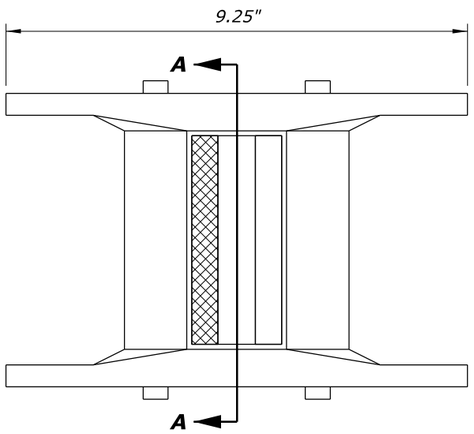
NON-PLOWABLE PAVEMENT MARKERS



BI-DIRECTIONAL



SECTION A-A



MONO-DIRECTIONAL

LEGEND:

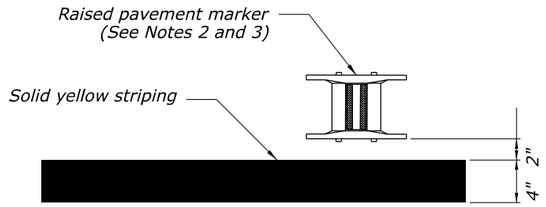
Reflective material

PLOWABLE PAVEMENT MARKERS

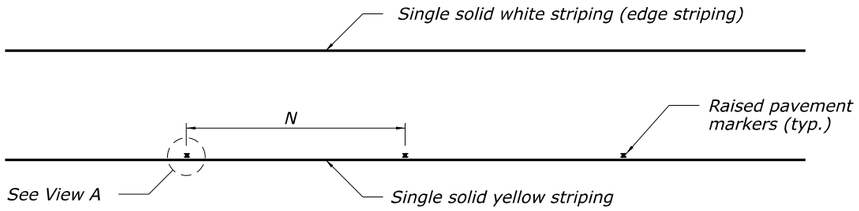
NO SCALE

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S10



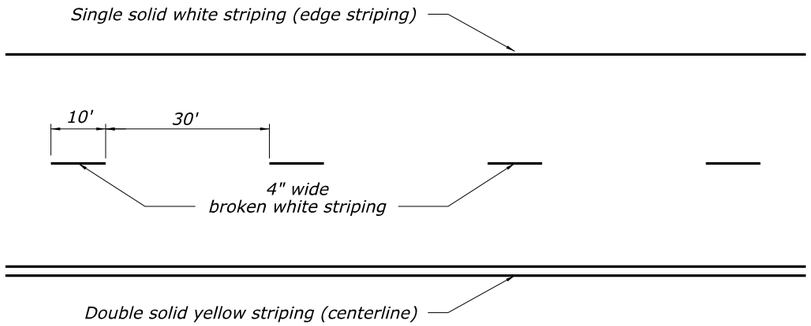
VIEW A



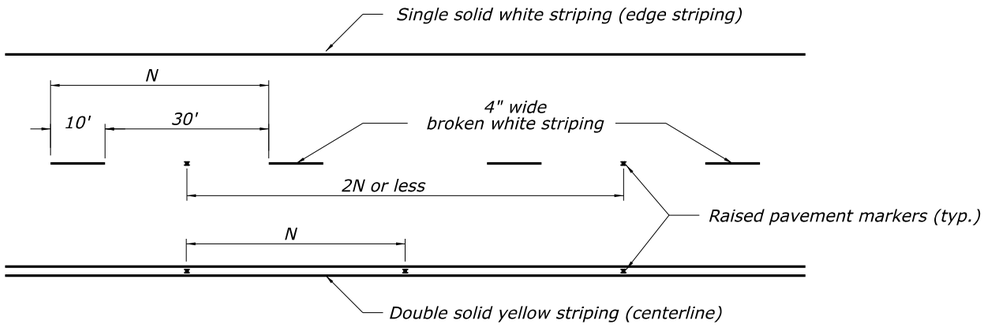
**SINGLE SOLID YELLOW STRIPING
WITH RAISED PAVEMENT MARKERS**

NOTES:

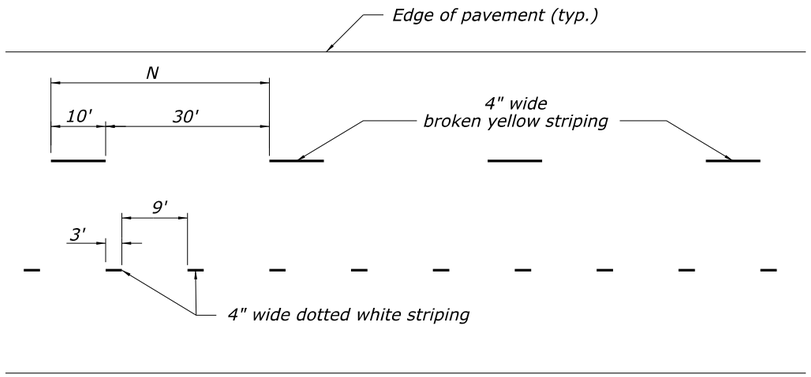
1. Install striping in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.
2. When raised pavement markers are required, space and install in accordance with the MUTCD and as shown in this Detail or as directed.
3. When raised pavement markers are required, see Detail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



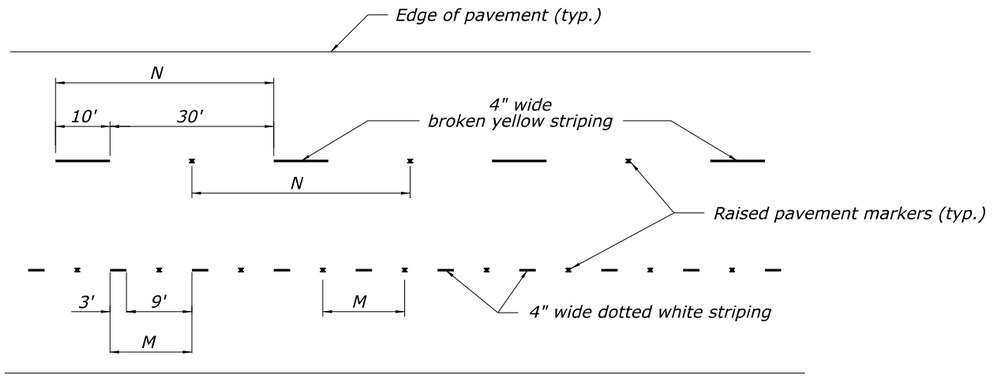
**BROKEN SINGLE WHITE AND
DOUBLE SOLID YELLOW STRIPING**



**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**

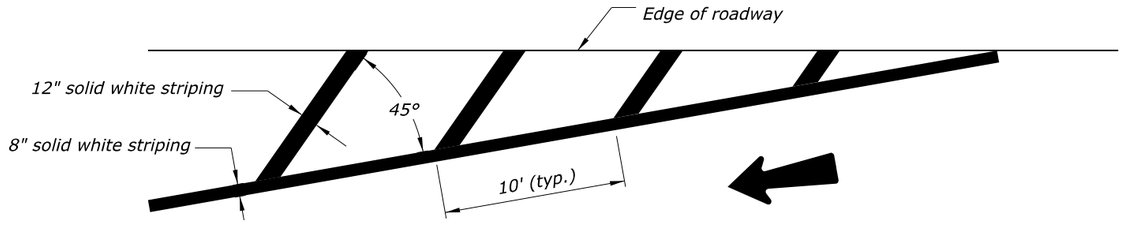
NO SCALE

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

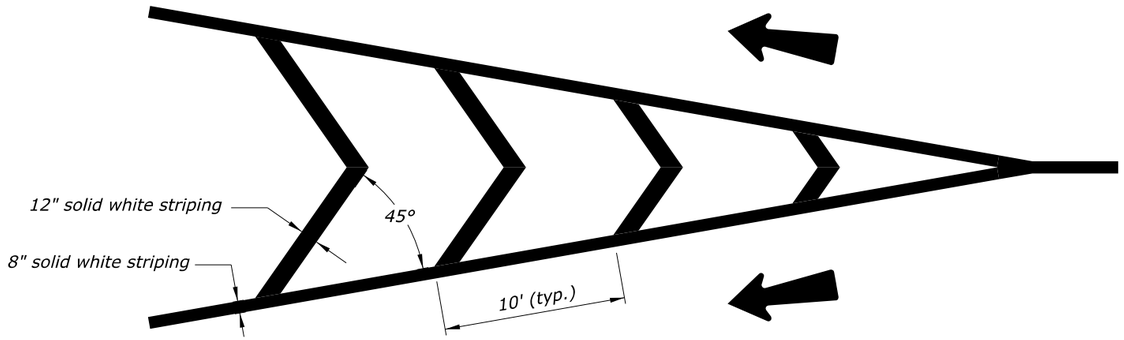
PAVEMENT MARKINGS WITH AND WITHOUT RAISED PAVEMENT MARKERS

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

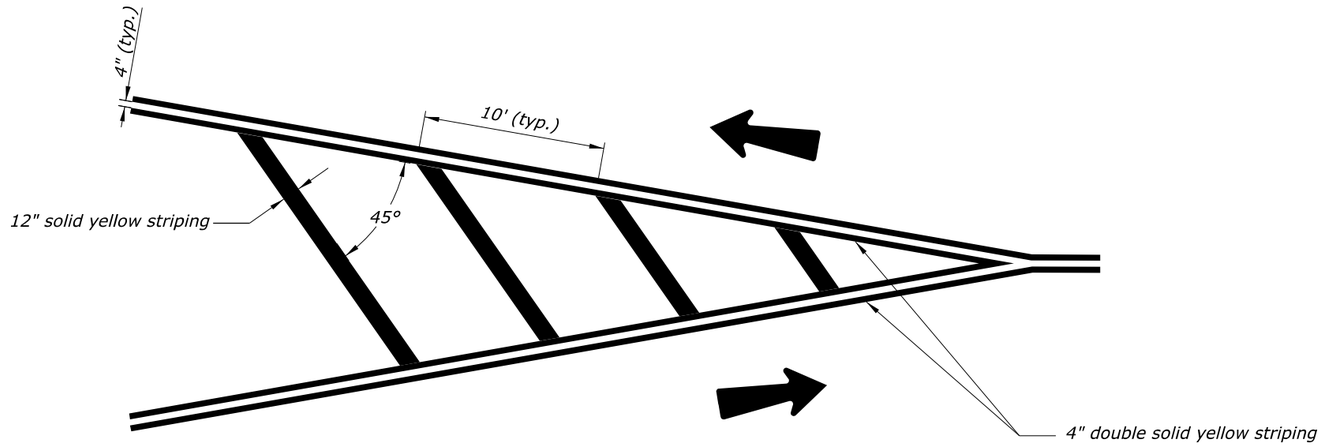
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S11



ONE-WAY TRAFFIC, LANE SHIFT



ONE-WAY TWO-LANE TRAFFIC, LANES SEPARATE



TWO-WAY TWO-LANE TRAFFIC, LANES SEPARATE

NO SCALE

NOTES:

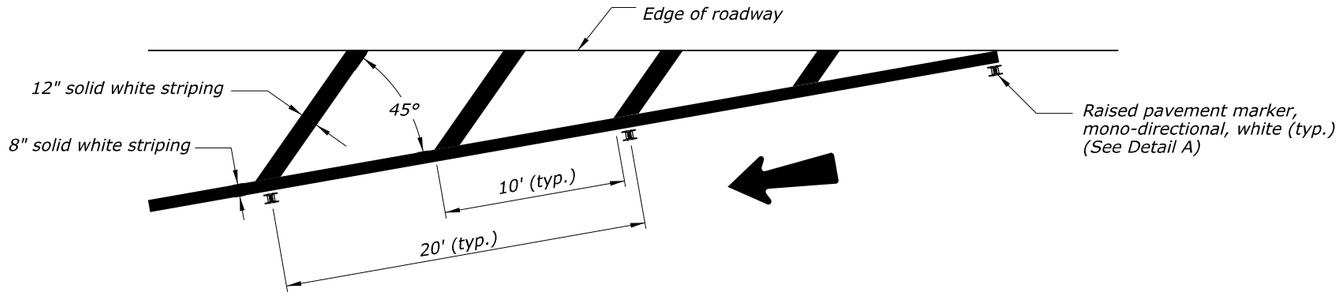
1. Install striping in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), latest edition.
2. Typical pavement marking widths are shown. Use wider pavement markings when specified in the plans or as directed.

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

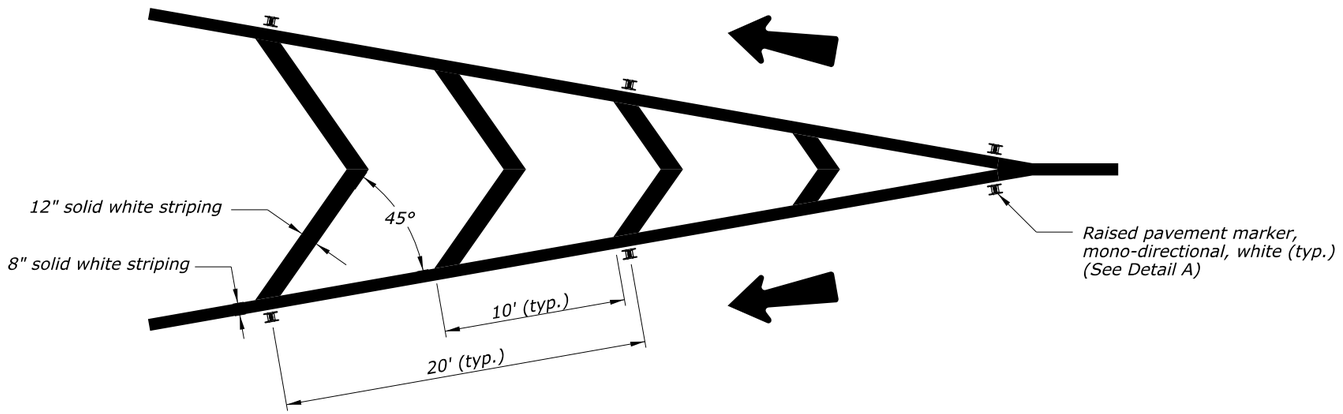
PAVEMENT MARKINGS IN NEUTRAL AREAS

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

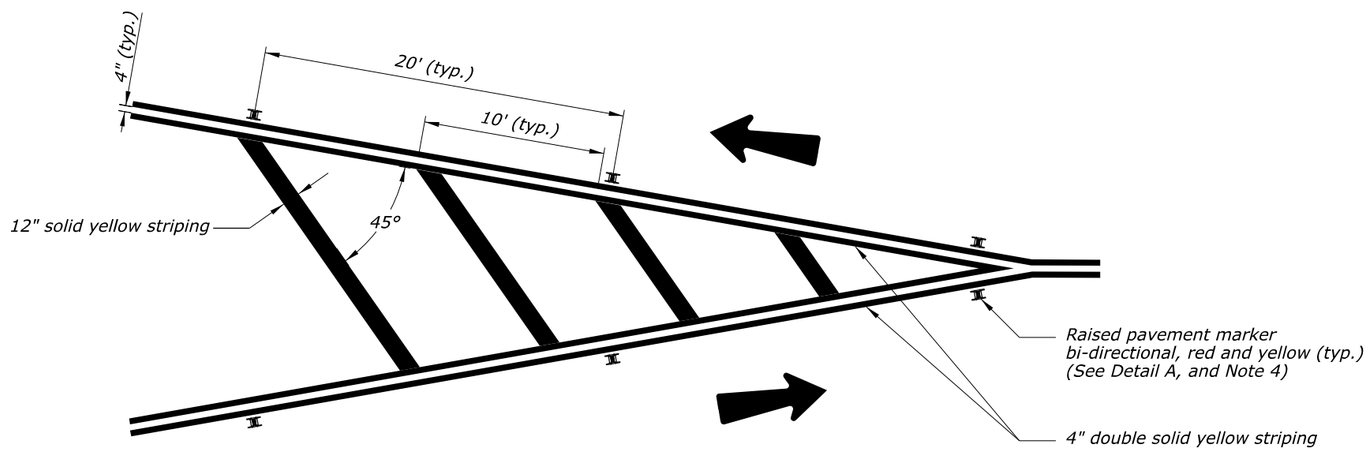
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S12



ONE-WAY TRAFFIC, LANE SHIFT



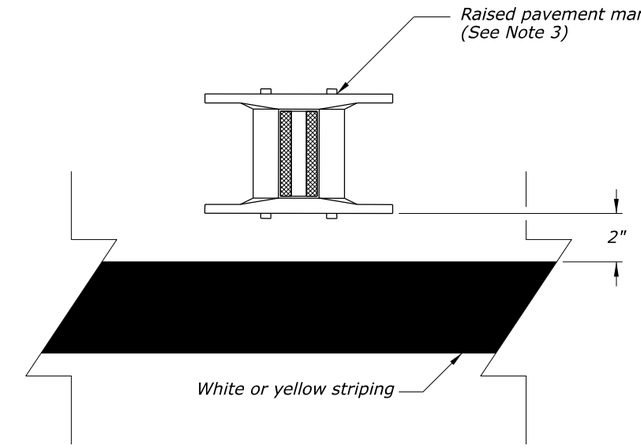
ONE-WAY TWO-LANE TRAFFIC, LANES SEPARATE



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

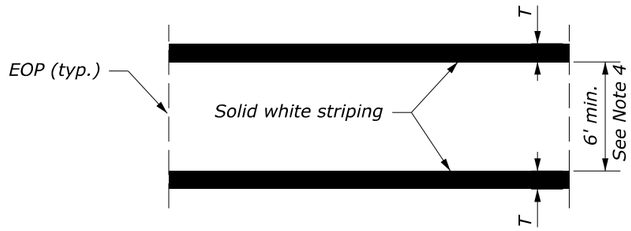
NO SCALE

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

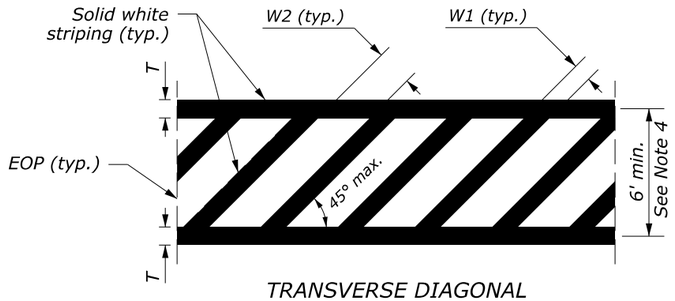
PAVEMENT MARKINGS IN NEUTRAL AREAS WITH RAISED PAVEMENT MARKERS

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

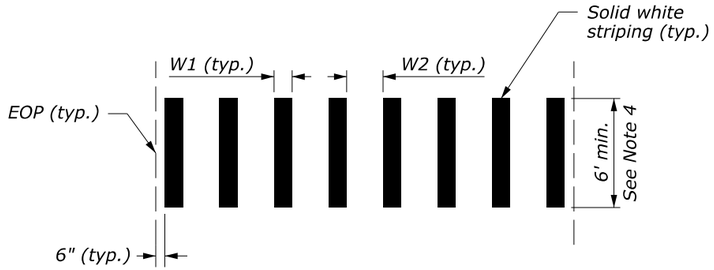
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S13



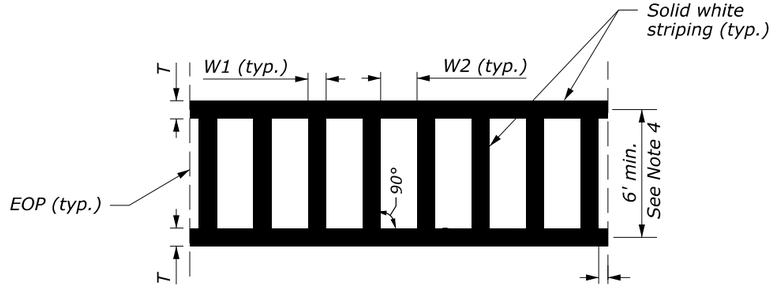
TRANSVERSE



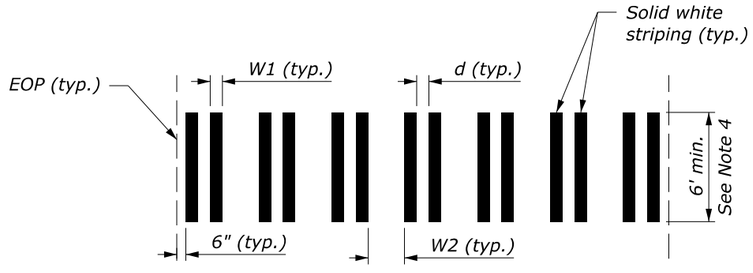
TRANSVERSE DIAGONAL
See Note 3



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

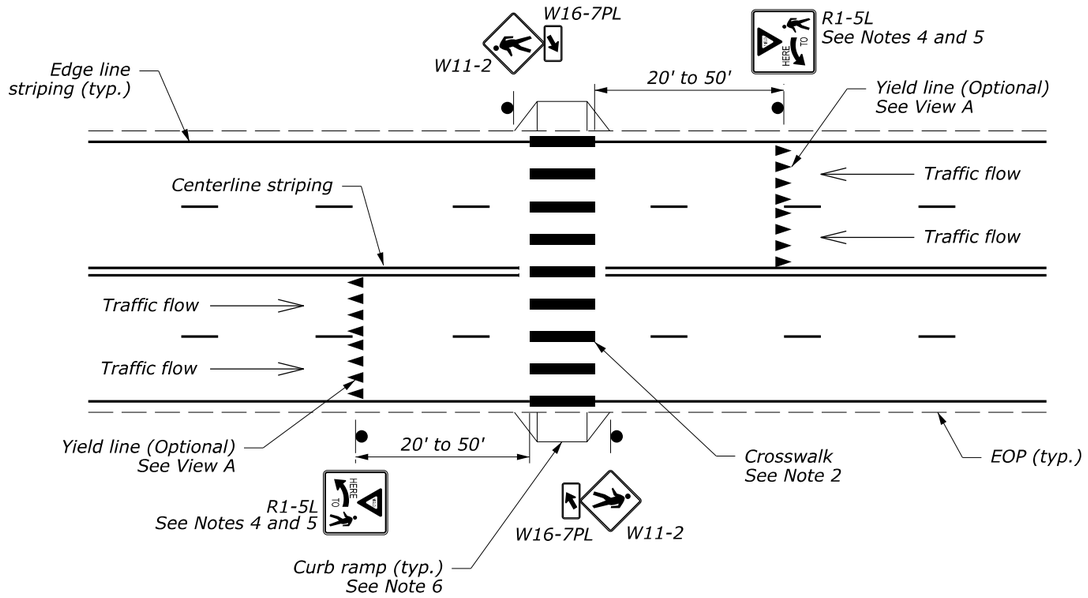
U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

PAVEMENT MARKINGS
PEDESTRIAN CROSSWALK
SHEET 1 of 2

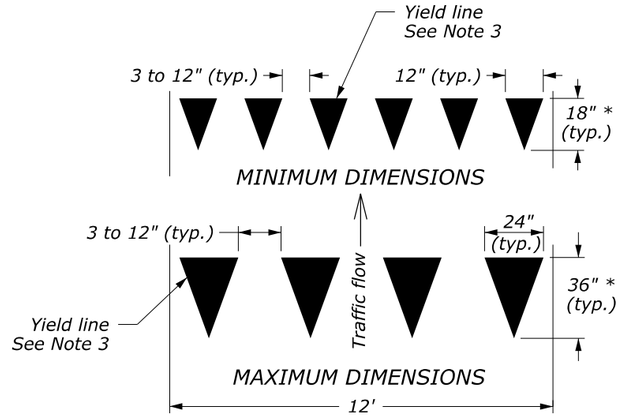
EFLHD DETAIL
E634-06A

SPECIFICATION
FP-24, FP-14

APPROVED FOR USE
06/2024



TWO-WAY ROADWAY

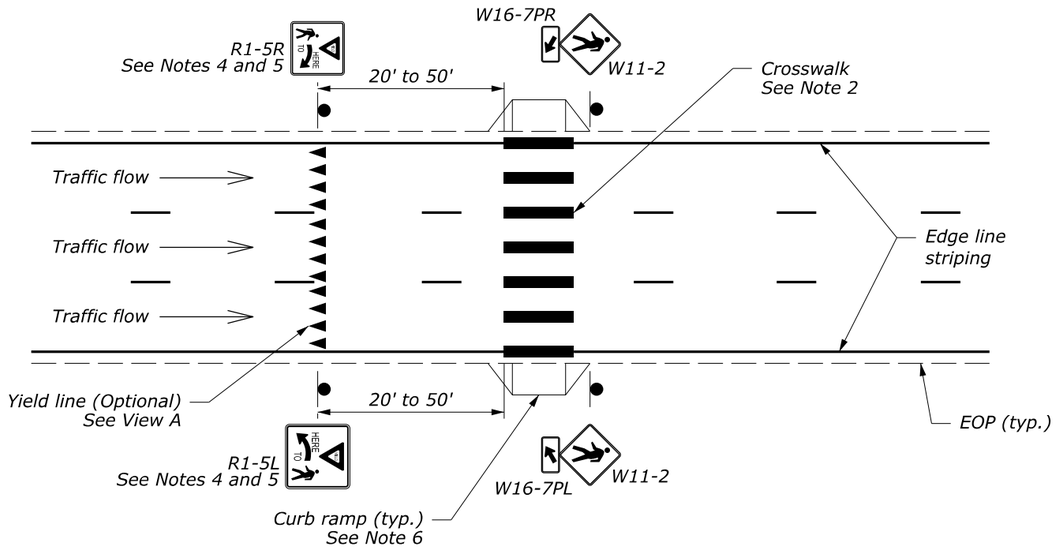


VIEW A - YIELD LINE LAYOUTS

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

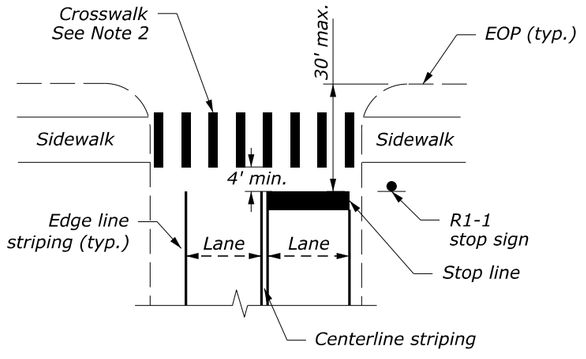
NOTES:

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

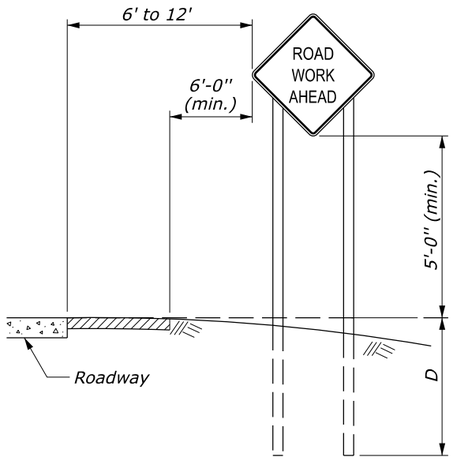


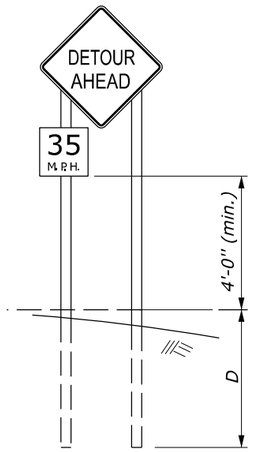
STANDARD CROSSWALK AT INTERSECTION

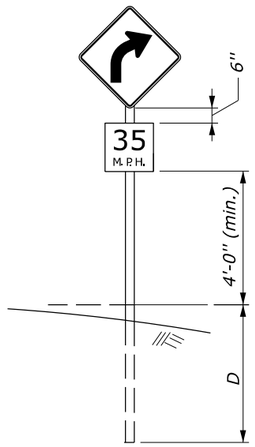
NO SCALE

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

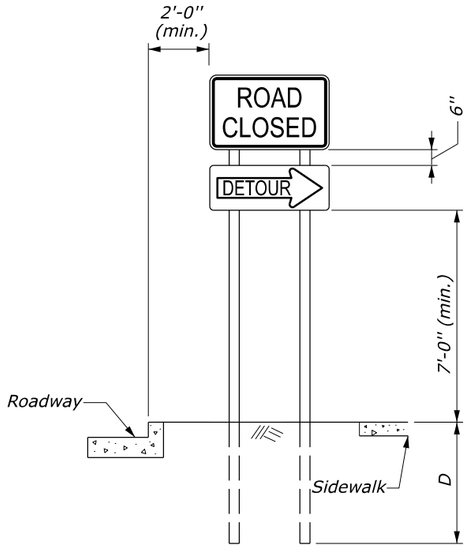
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S15







RURAL AREA

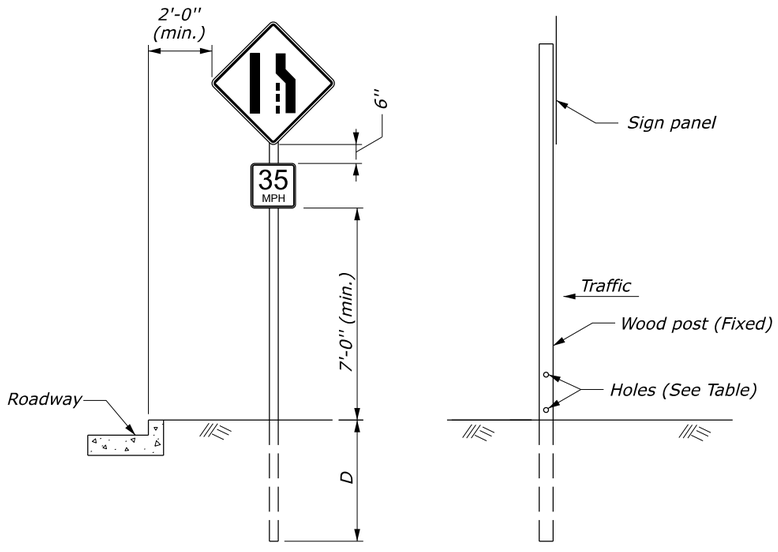


URBAN AREA

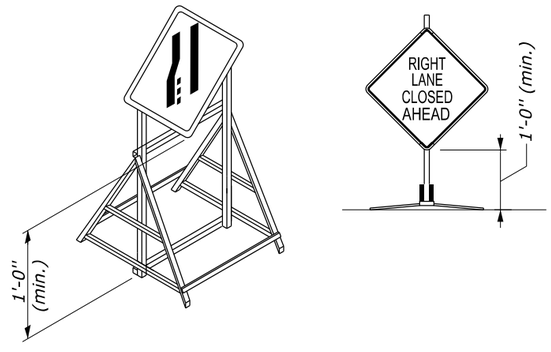
FIXED ROADWAY SIGNS

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

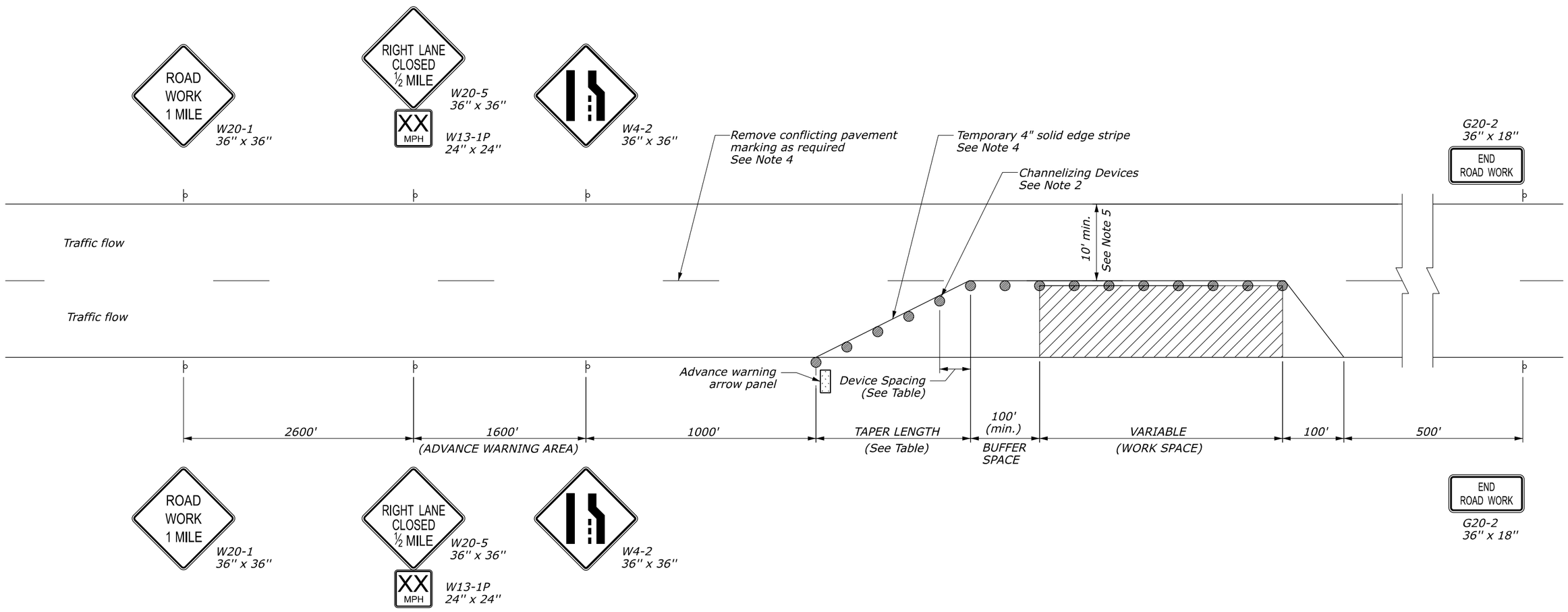
TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

EFLHD DETAIL
E635-01

SPECIFICATION
FP-24, FP-14

APPROVED FOR USE
06/2024

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

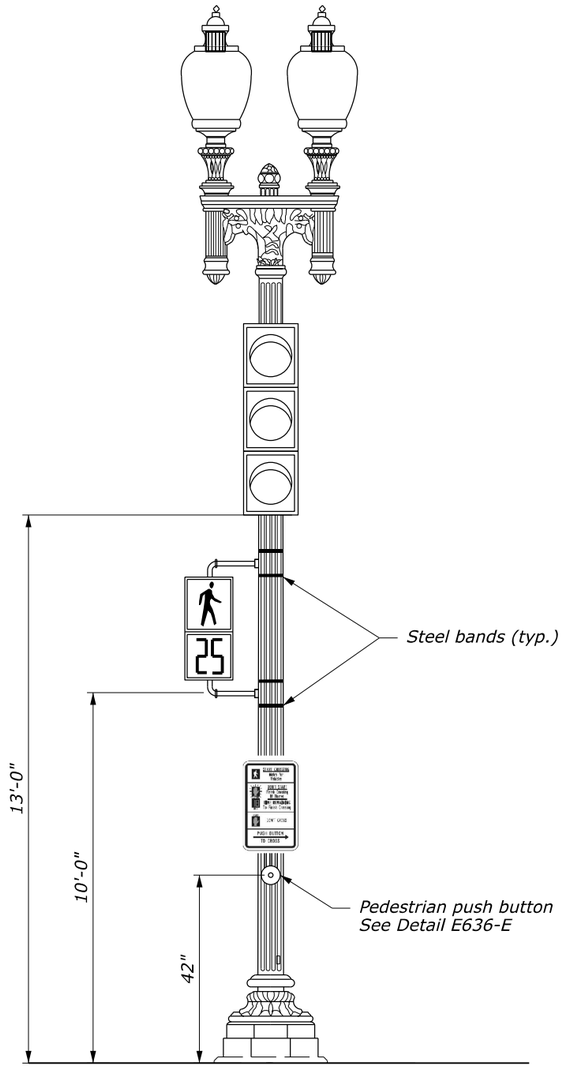
TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE LAYOUT

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

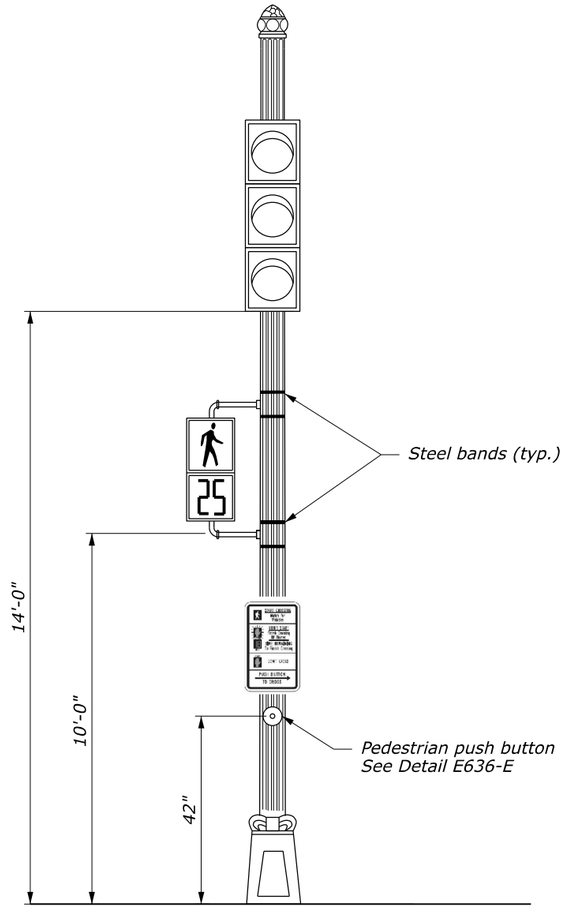
PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S17

NOTES:

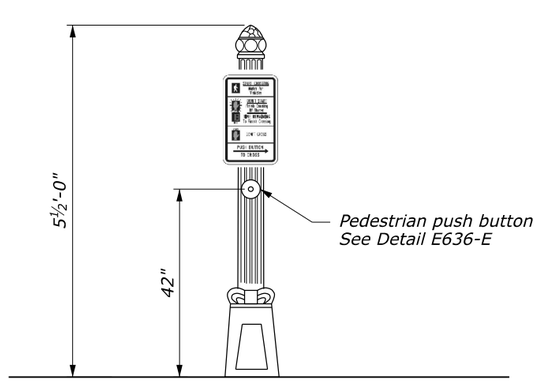
1. *Mount all new steel traffic signal poles on a transformer. See Detail E636-D for transformer base details.*
2. *Use stainless steel strapping to affix hardware to poles, unless otherwise specified.*



TWIN 20 STYLE LIGHTING STANDARD WITH LED RETROFIT UPGRADE



20 FOOT TALL STEEL TRAFFIC SIGNAL POLE

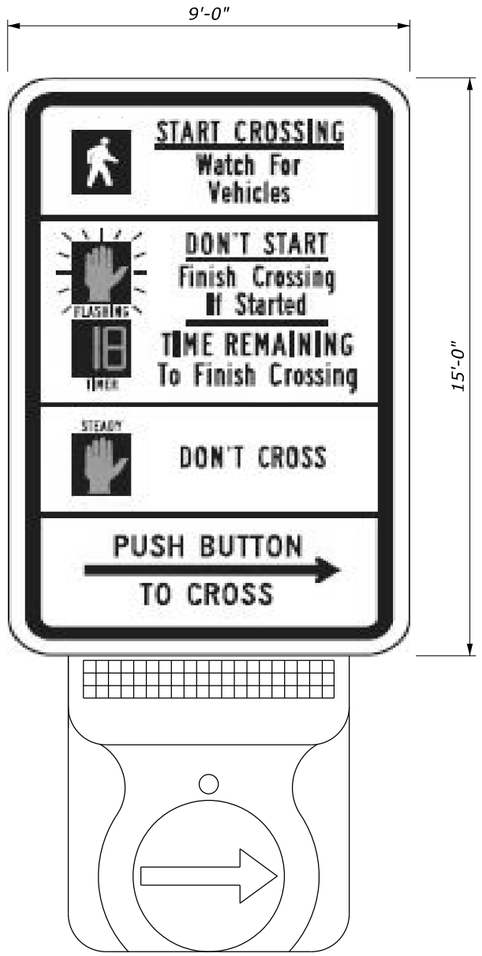


STEEL PEDESTAL POLE

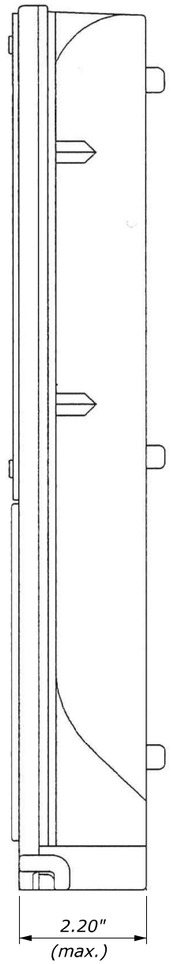
NO SCALE

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S18



FRONT VIEW

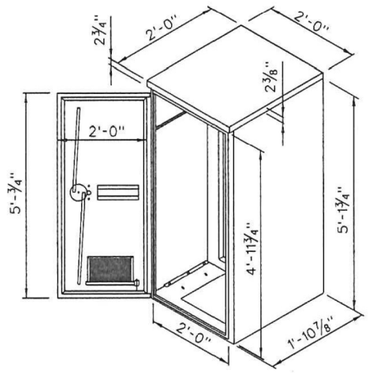


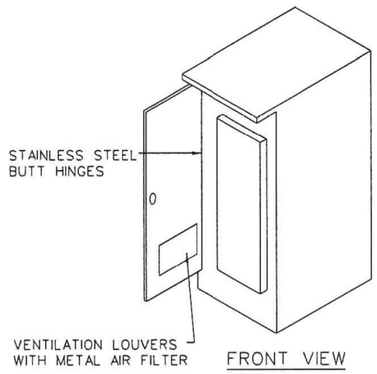
SIDE VIEW

NO SCALE

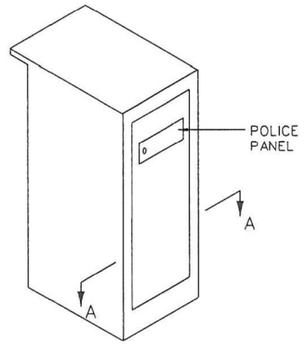
U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	EFLHD DETAIL E636-B
PEDESTRIAN PUSH BUTTON	SPECIFICATION FP-24
	APPROVED FOR USE

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S19

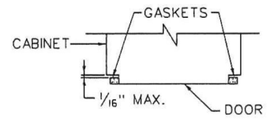




FRONT VIEW

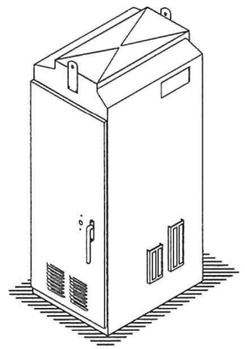


REAR VIEW



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

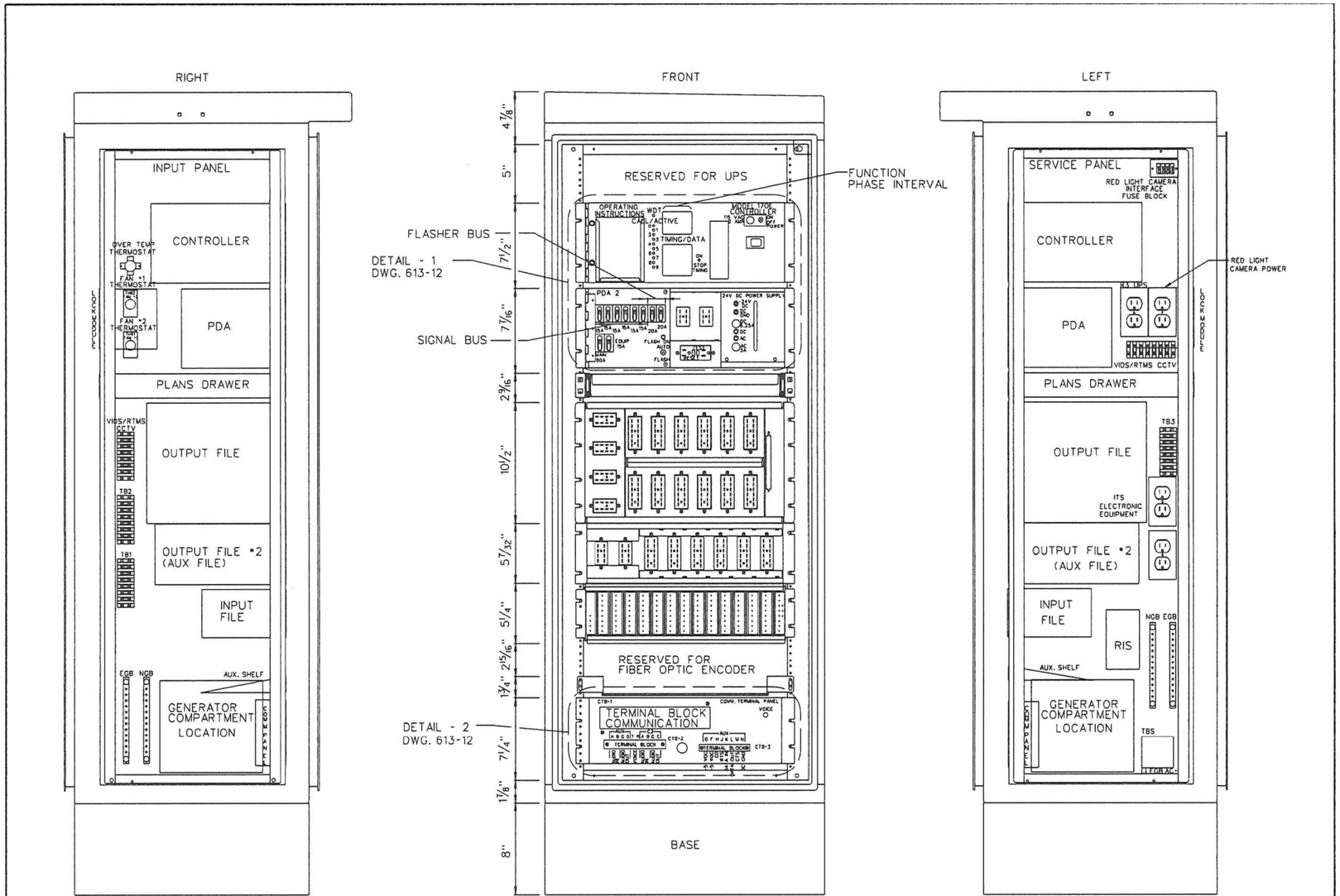
TRAFFIC SIGNAL CONTROLLER CABINET DETAILS

EFLHD DETAIL E636-C

SPECIFICATION FP-24

APPROVED FOR USE

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

d. DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION

DWG. NO. 613.11

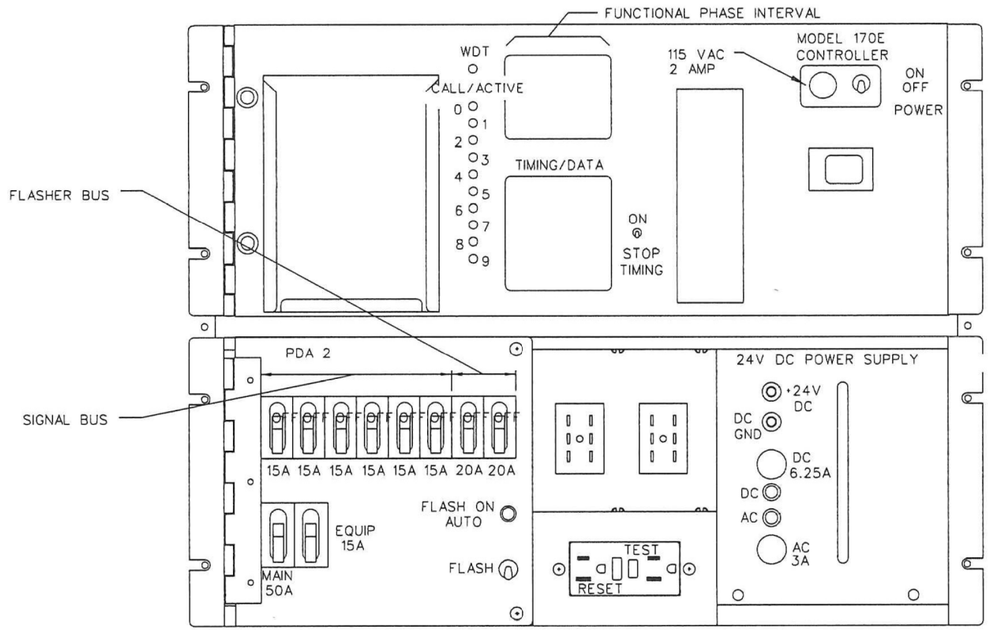
NO SCALE

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

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

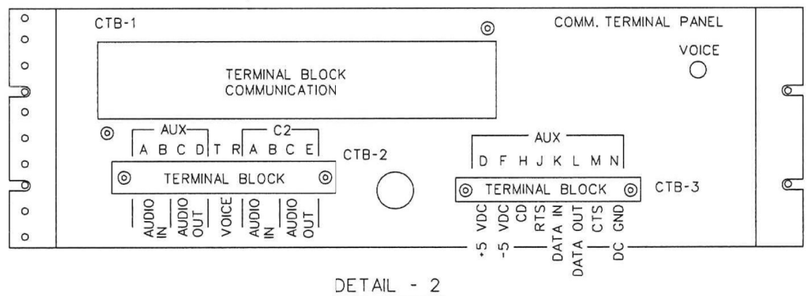
EFLHD DETAIL
E636-D
SPECIFICATION
FP-24
APPROVED FOR USE

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

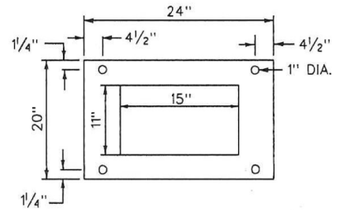
NO SCALE

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

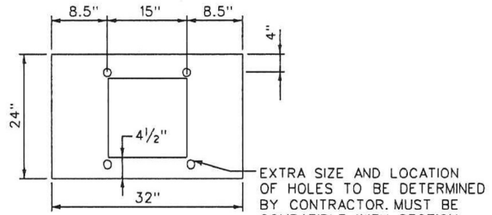
336SS TRAFFIC SIGNAL CABINET DETAILS

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

PROJECT	SHEET NUMBER
DC NP GWMP ARCH TAR 2026	S22

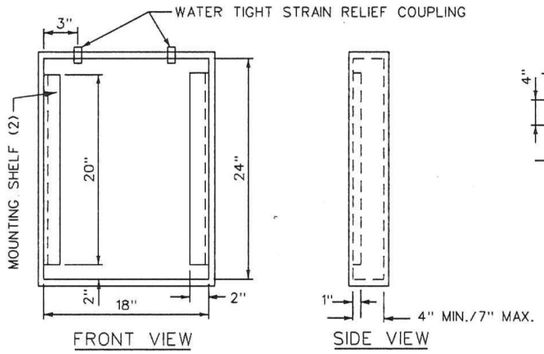


TOP VIEW



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

TOP VIEW



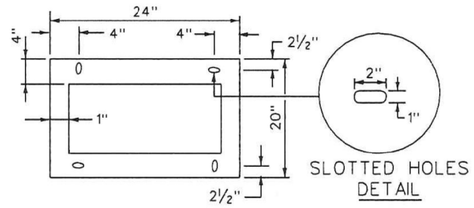
FRONT VIEW

SIDE VIEW

AERIAL TERMINATION CABINET

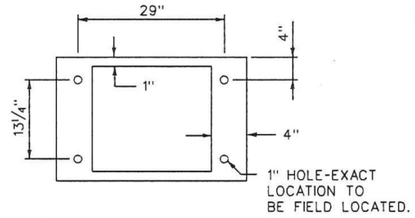
NOTES:

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.



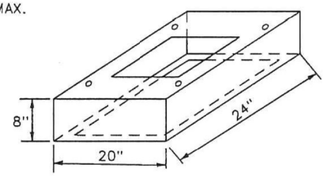
SLOTTED HOLES DETAIL

BOTTOM VIEW



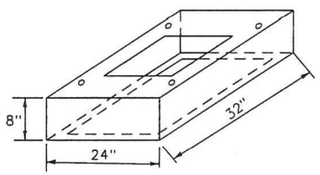
1" HOLE-EXACT LOCATION TO BE FIELD LOCATED.

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

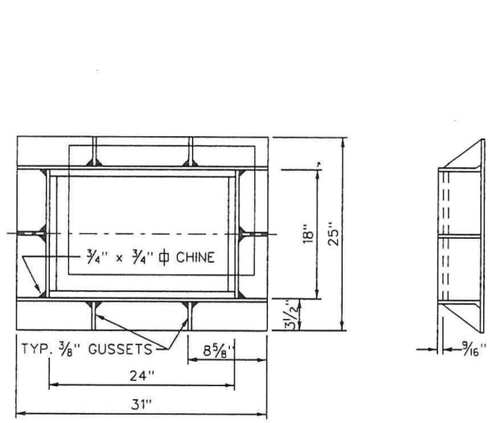
NO SCALE

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

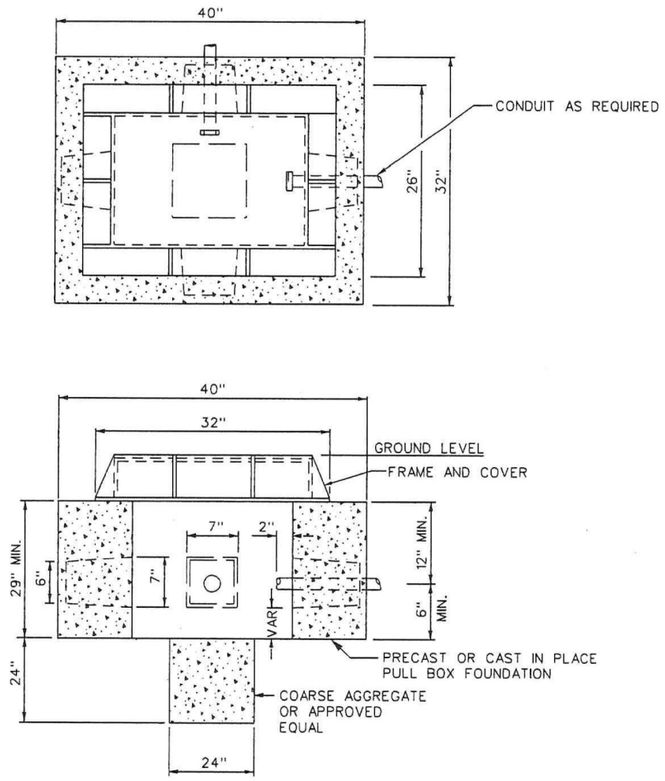
TRAFFIC SIGNAL AERIAL TERMINATION CABINETS AND CONTROLLER CABINET ADAPTER BASES

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

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	