



U.S. Army Corps  
of Engineers  
Baltimore District

# Public Notice

In Reply to Application Number  
CENAB-OPR-MN (MDTA/I-95 - Stage I/ETL NORTHBOUND  
EXTENTION) 2018-60368-M12

PN 18-34

Comment Period: June 18, 2018 through July 18, 2018

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**THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC ABOUT THE WORK DESCRIBED BELOW. AT THIS TIME, NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED.**

The Baltimore District has received an application for a Department of the Army Permit pursuant to **Section 404 of the Clean Water Act (33 U.S.C. 1344)**, as described below:

**APPLICANT:** Maryland Transportation Authority  
Attn: Mr. William Pines  
8019 Corporate Drive, Suite F  
Baltimore, Maryland 21236

**LOCATION:** I-95 from New Forge Road in Baltimore County to MD 24 in Harford County, Maryland.

**PROPOSED WORK:** The Maryland Transportation Authority (MDTA) has requested Department of the Army (DA) authorization from the U.S. Army Corps of Engineers Baltimore District (Corps) to impact waters of the United States, including jurisdictional wetlands, associated with proposed Stage I improvements to I-95 from New Forge Road in Baltimore County to MD 24 in Harford County, Maryland. The implementation of the improvements, as currently proposed, would result in permanent impacts to 27,706 square feet/0.64 acres of non-tidal wetlands and 8,989 linear feet/65,021 square feet of streams. The construction would also result in temporary impacts to 9,172 square feet/0.21 acres of non-tidal wetlands and 446 linear feet/ 12,555 square feet of streams. Proposed improvements to I-95 would include the addition of a two-lane express toll lane (ETL) that would be added to I-95 northbound (NB) from MD 43 to MD 152. A slip ramp would also be added to I-95 NB to the north of MD 43 that would allow ETL users to merge onto general purpose lanes. The addition of an auxiliary lane along I-95 NB from MD 152 to MD 24. The replacement of Bradshaw Road, Raphel Road, and Old Joppa Road overpasses. The reconstruction and widening of the bridges over the Big Gunpowder River, Little Gunpowder River and Winters Run. A new intelligent transportation system (ITS) communication system for improved operations and incident management to be added along the I-95 southbound (SB) shoulder. Two noise walls would be added along I-95 NB and SB. Existing utilities would be relocated where necessary.

**COMPENSATORY MITIGATION:** Would be required by the Corps for unavoidable permanent impacts to aquatic resources and is proposed by the applicant as described conceptually below.

**Wetlands** – Currently proposed at the MDTA's White Marsh Run mitigation site located in Baltimore County. Wetland functions and values provided by this site will be primarily beneficial for wildlife habitat. The 183.6-acre parcel contains extensive wetlands and is considered to be ecologically valuable due to its location within the heavily developed Bird River watershed.

**Streams** – Currently proposed at the following locations:

**On-site:**

Approximately 1,250 linear feet of three degraded unnamed tributaries to Little Gunpowder Falls would be stabilized and restored to address current erosion issues and improve water quality within the watershed.

**Off-site:**

**Carsins Run** – Located adjacent to Ripkin Stadium in Harford County where approximately 200 linear feet of stream would be restored. The improvements would be implemented by removing the concrete flume, adding weir structures and riffle grade controls, planting live stakes along the banks, and replacing a failed storm drain. In addition, approximately 700 linear feet of an unnamed intermittent tributary to Carsins Run would also be restored where the existing channel would be realigned and reconnected with the floodplain. Riffles and deep pools would be created within the realigned channel and riparian vegetation along the banks enhanced. It is anticipated that wetlands would be created as a result of the proposed floodplain reconnection.

**Lilly Run** – Located near Havre de Grace Middle School within the Lower Susquehanna River watershed in Harford County where approximately 1,400 linear feet of channelized stream would be restored to improve overall water quality within the waterway and the watershed by managing stormwater flow, removing nutrients and sediment, and improving wetland habitat.

**Unnamed tributary to Northeast River** – Located along MD 7 in Charlestown, Cecil County where approximately 132 linear feet of the waterway would be improved for the restoration of fish passage. The existing road crossing at MD 7 currently represents an impediment to the passage of indigenous fish species in addition to anadromous fish species such as herring. The proposed improvements would address the impediment and open would an estimated 5,904 linear feet of perennial stream to anadromous fish.

All work would be completed in accordance with plans that were provided by the MDTA. If you have received this notification via email, plans are attached. If you have received this notification through the U.S. Mail, plans are available for review from any of the following sources:

- The Baltimore District Regulatory website located at:  
<http://www.nab.usace.army.mil/Missions/Regulatory/Public-Notices/>
- The following public libraries: Baltimore County Public Library - White Marsh Branch, located at 8133 Sandpiper Circle, Baltimore, Maryland 21236; Harford County Public Library - Aberdeen Branch Library, located at 21 Franklin Street, Aberdeen, Maryland 21001; Cecil County Public Library - North East Library, located at 106 W Cecil Ave, North East, Maryland 21901.
- By contacting Mr. Steve Elinsky at 410.962.4503 or [Steve.Elinsky@usace.army.mil](mailto:Steve.Elinsky@usace.army.mil).

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and, in general, the needs and welfare of the people.

The evaluation of the impacts of the work described above on the public interest will include application of the Clean Water Act 404(b)(1) Guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act.

The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, [Attn: Mr. Steve Elinsky, CENAB-OPR-MN], 2 Hopkins Plaza, Baltimore, Maryland 21201, within the comment period as specified above to receive consideration.

**ESSENTIAL FISH HABITAT:** The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all Federal agencies to consult the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect essential fish habitat (EFH).

The project is located within the Gunpowder River, Little Gunpowder River and Winters Run watersheds and lies within or adjacent to EFH as described under MSFCMA for Blueback herring (*Alosa aestivalis*) juvenile and adult, Alewife (*Alosa pseudohargengus*) juvenile and adult, White perch (*Morone americana*) juvenile and adult, and Yellow perch (*Perca flavescens*) juvenile and adult, all managed species under the MSFCMA.

The project has the potential to adversely affect EFH or the species of concern by loss of nursery, forage and/or shelter habitat. The project may have an adverse affect on EFH as described under the Magnuson-Stevens Fishery Conservation and Management Act for the species and life stages identified above. However, the District Engineer has made a preliminary determination that site-specific impacts would not be substantial and an abbreviated consultation will be conducted with NMFS. This determination may be modified if additional information indicates otherwise and would change the preliminary determination.

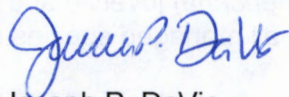
**SECTION 401 WATER QUALITY CERTIFICATION:** The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Maryland Department of the Environment. Any written comments concerning the work described above which relate to water quality certification must be received by the Standards and Certification Division Maryland Department of the Environment, Montgomery Park Business, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230, within the comment period as specified above to receive consideration. The Section 401 certifying agency has a statutory limit of one year from the date of this public notice to make its decision.

**COASTAL ZONE MANAGEMENT PROGRAMS:** Where applicable, the applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the approved Coastal Zone Management (CZM) Program. By this public notice, we are requesting the State concurrence or objection to the applicant's consistency statement. Public comments relating to consistency must be received by the Coastal Zone Consistency Division, Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period as specified above to receive consideration. It should be noted that the CZM Program has a statutory limit of 6 months to make its consistency determination. The applicant must obtain any State or local government permits which may be required. A preliminary review of this application indicates that the proposed work will not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

The Corps and the Maryland Historical Trust is reviewing the project to assess its effects if any on historic properties pursuant to Section 106 of the National Historic Preservation Act of 1966. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

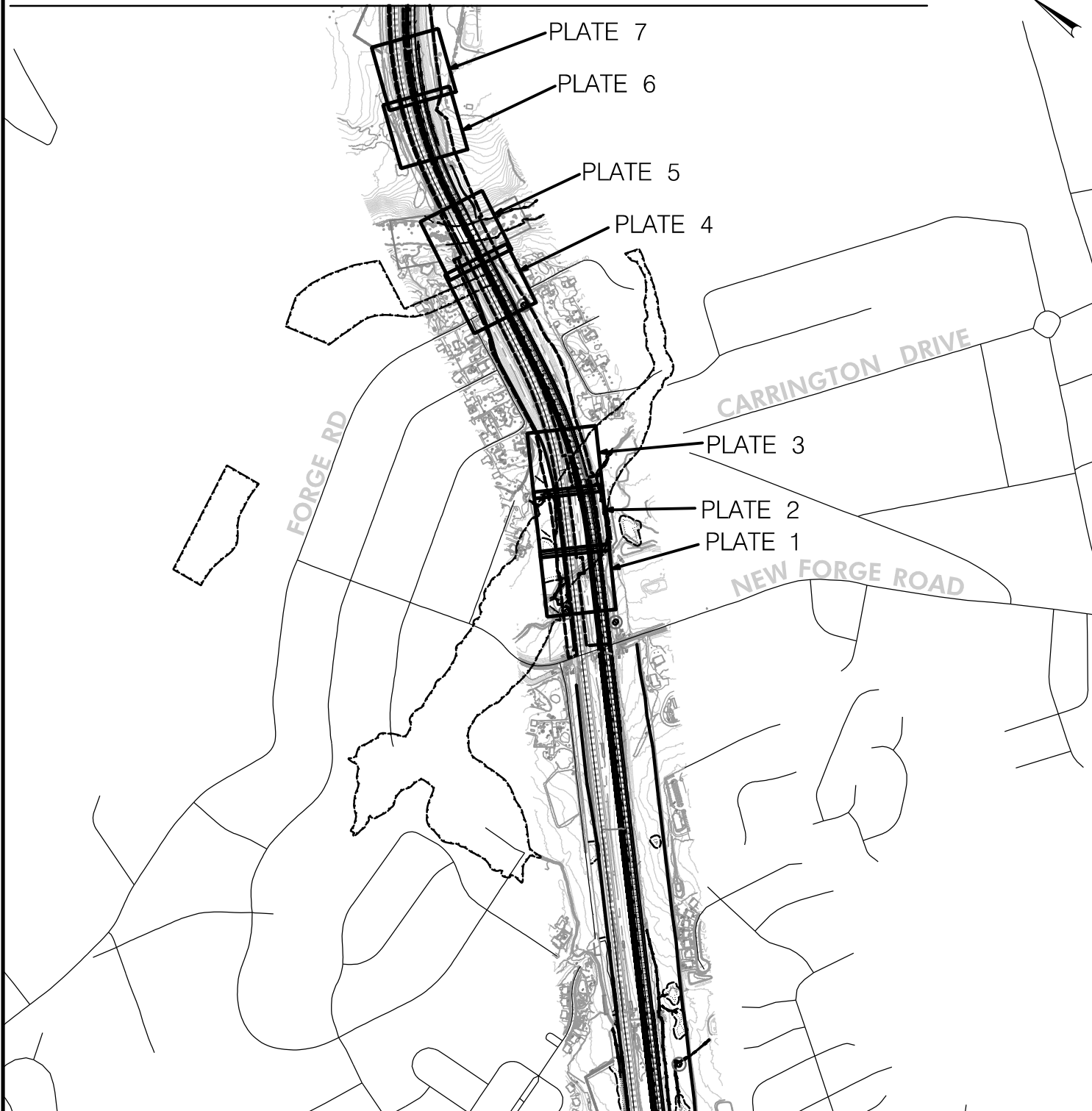
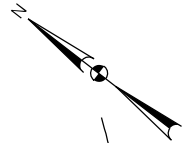
Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, [Attn: Mr. Steve Elinsky, CENAB-OPR-MN], 2 Hopkins Plaza, Baltimore, Maryland 21201, within the comment period as specified as above to receive consideration. Also, it must clearly state forth the interest which may be adversely affected by this activity in the manner in which the interest may be adversely affected.

It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.



Joseph P. DaVia  
Chief, Maryland Section Northern

MATCHLINE KEYMAP 2



**IMPACT PLATE KEYMAP 1**

**I-95 ETL NORTHBOUND EXTENSION  
NEW FORGE ROAD TO MD 152  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
HARFORD COUNTY, MARYLAND**



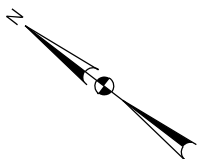
**MARYLAND  
TRANSPORTATION AUTHORITY**



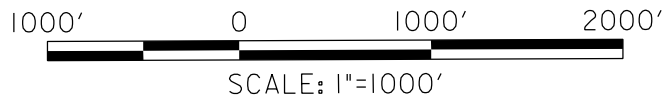
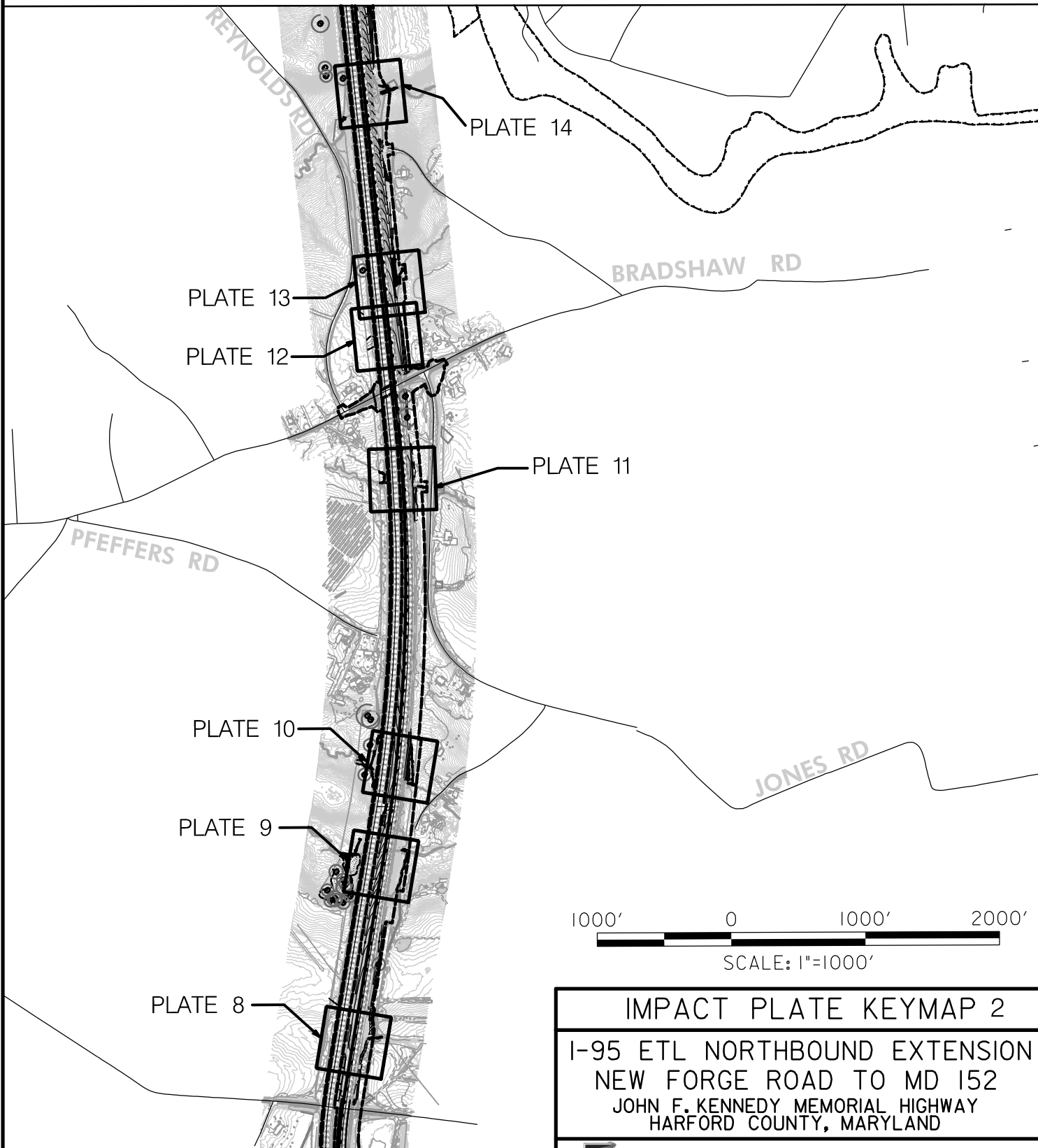
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SCALE: 1" = 1000'

DATE: MAY 2018



MATCHLINE KEYMAP 3



MATCHLINE KEYMAP 1

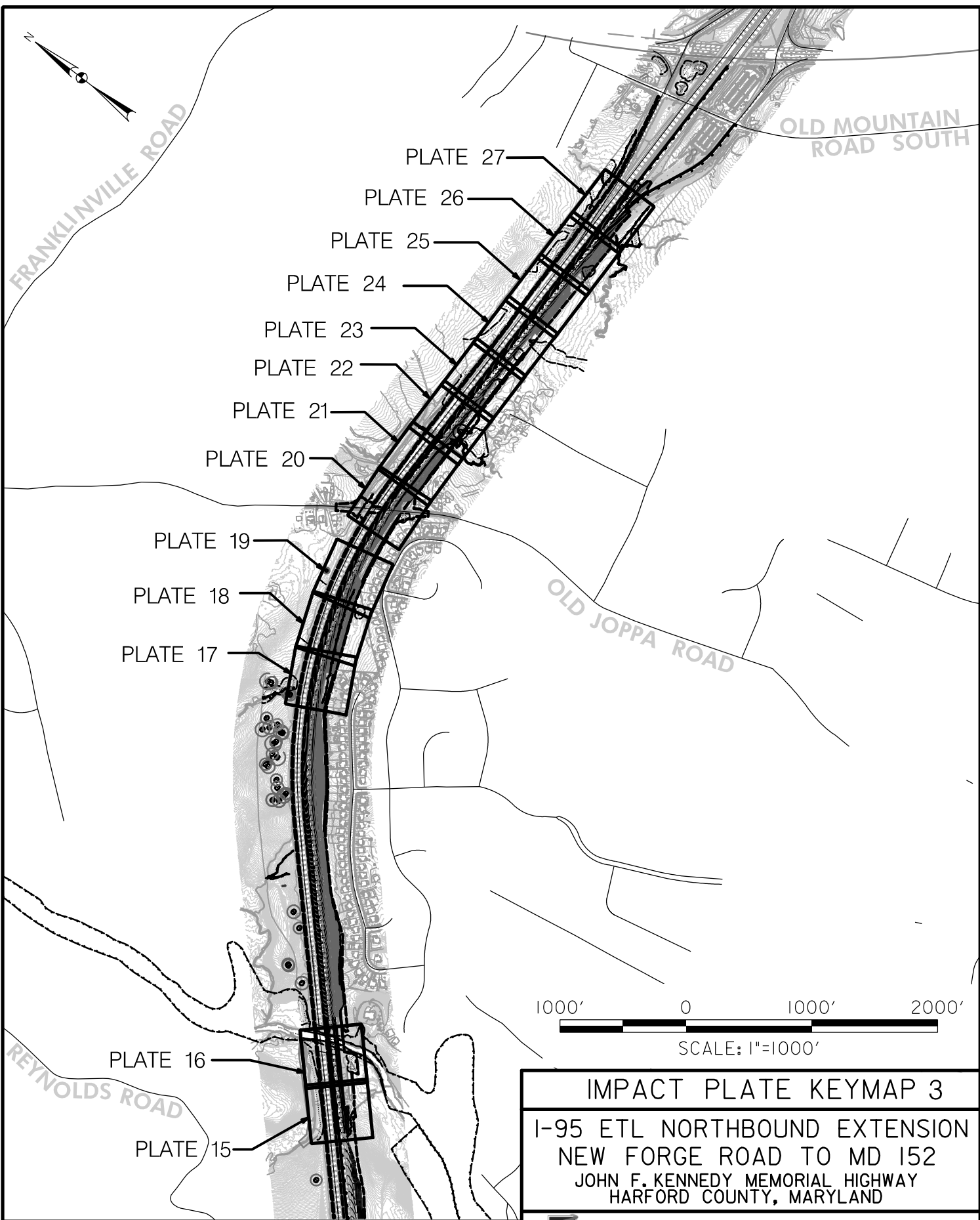
**IMPACT PLATE KEYMAP 2**  
**I-95 ETL NORTHBOUND EXTENSION**  
**NEW FORGE ROAD TO MD 152**  
**JOHN F. KENNEDY MEMORIAL HIGHWAY**  
**HARFORD COUNTY, MARYLAND**



**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 1000'

DATE: MAY 2018

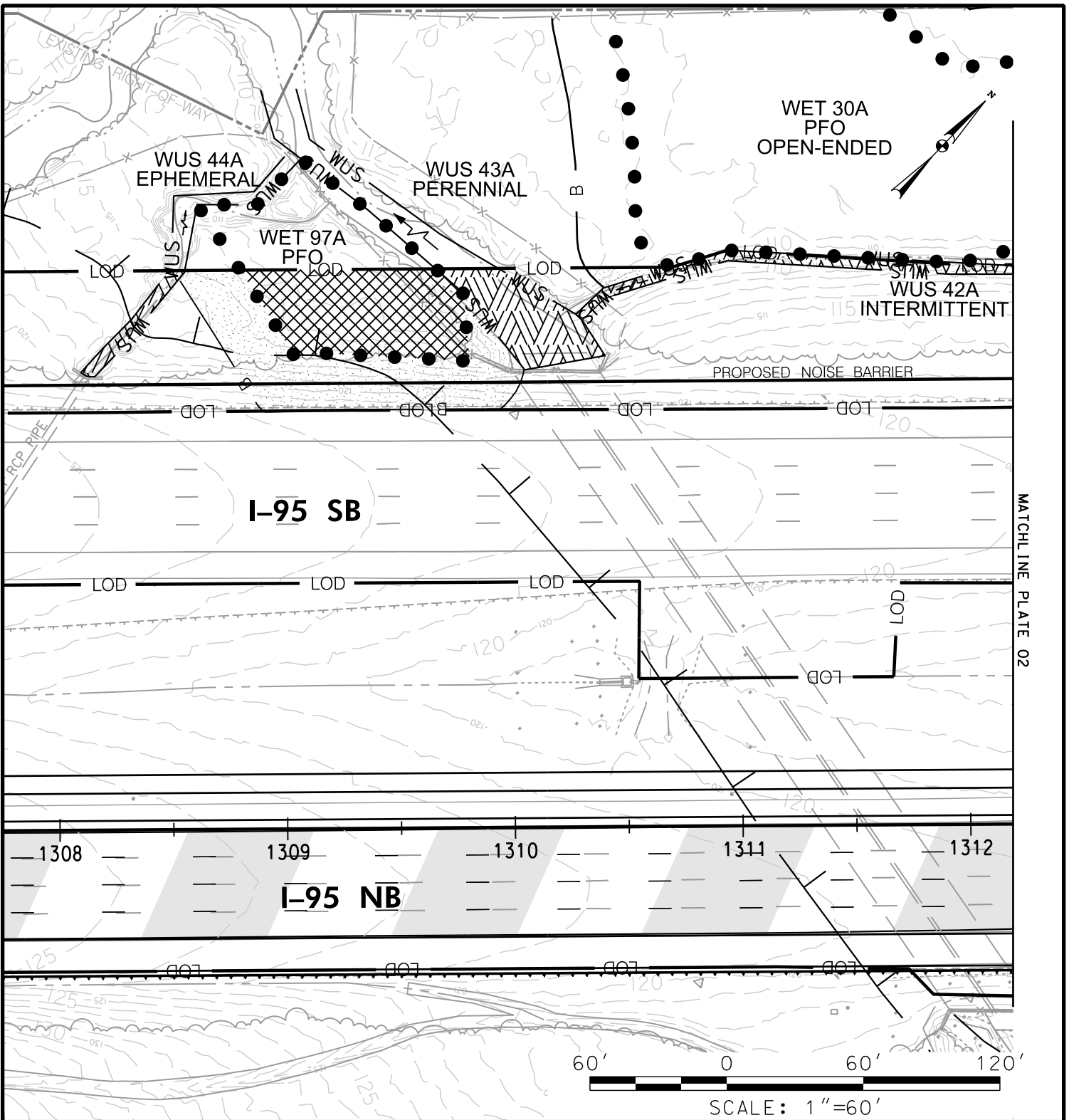


MATCHLINE KEYMAP 2

**IMPACT PLATE KEYMAP 3**  
**I-95 ETL NORTHBOUND EXTENSION**  
**NEW FORGE ROAD TO MD 152**  
**JOHN F. KENNEDY MEMORIAL HIGHWAY**  
**HARFORD COUNTY, MARYLAND**



SCALE: 1" = 1000'      DATE: MAY 2018



MATCHLINE PLATE 02

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	3,266 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	60/1,562 LF/SF
INTERMITTENT WUS	0 LF/SF	198/863 LF/SF
EPHEMERAL WUS	0 LF/SF	61/331 LF/SF
WETLAND BUFFER	0 SF	4,514 SF
100-YEAR FLOODPLAIN	0 SF	34,932 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

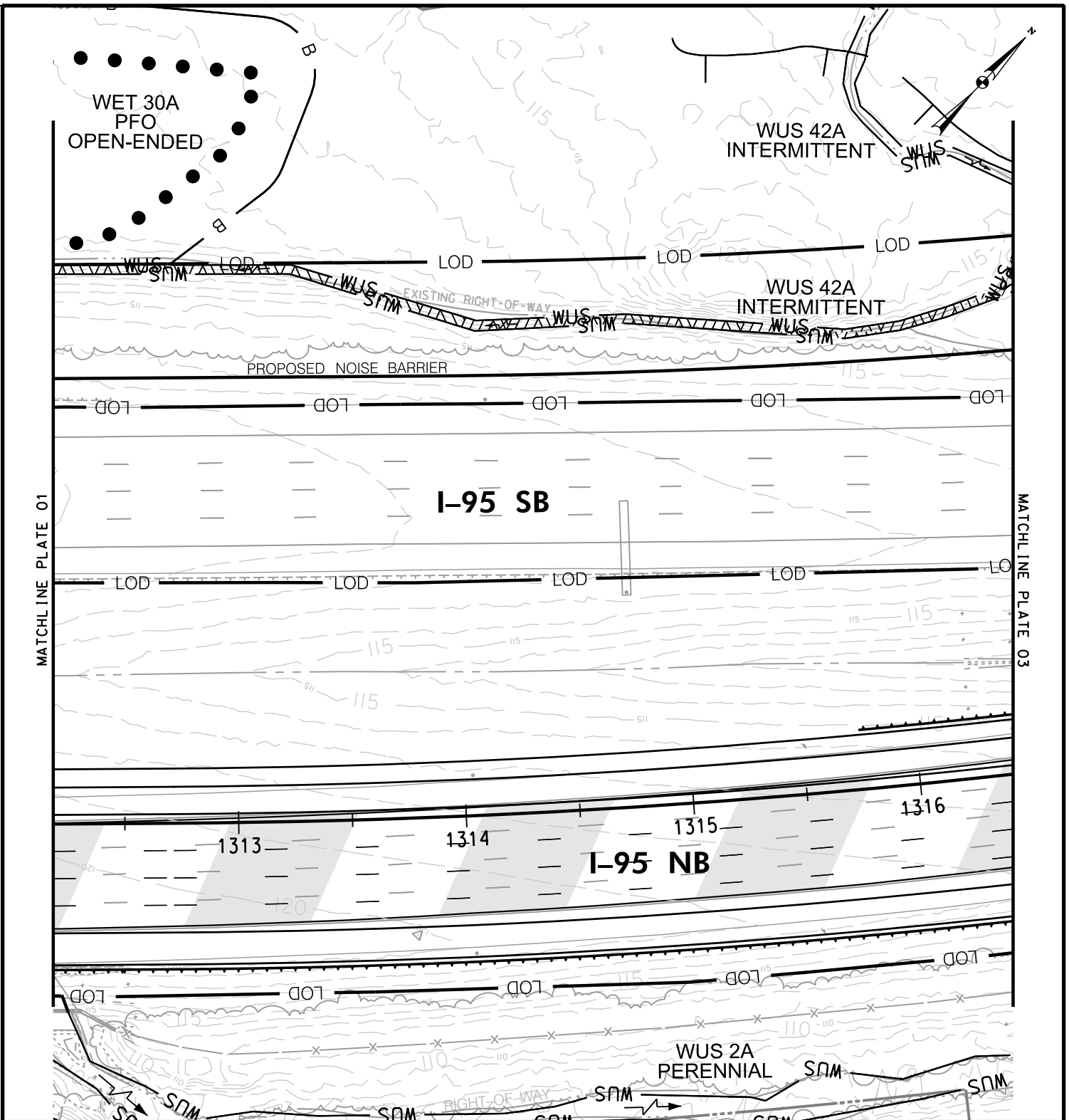
CONTRACT NO.: KH-3009

DATE: MAY 2018

PLATE 01 OF 27

FILE: Q:\SMD\130770\_048\_195\_ETL\_N\_Tran\CADD\N&CR\JPA PLATES\pWT- Plate 1-May.dgn  
 DATE: Wednesday, May 09, 2018 AT 06:09 PM





**IMPACTS ON THIS PLATE**

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PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	435/1,787 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	100,190 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



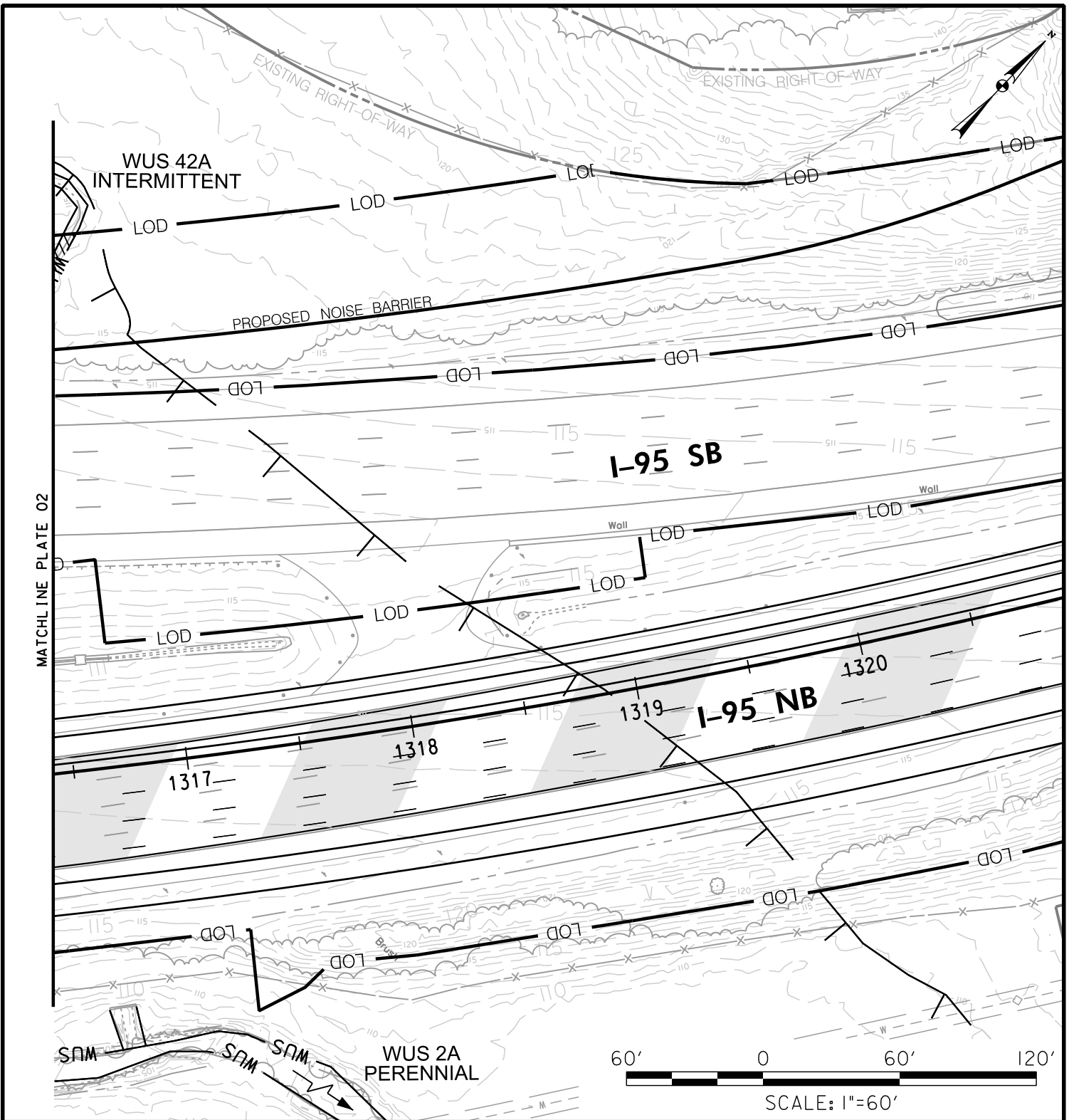
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 02 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	15/72 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	42,269 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



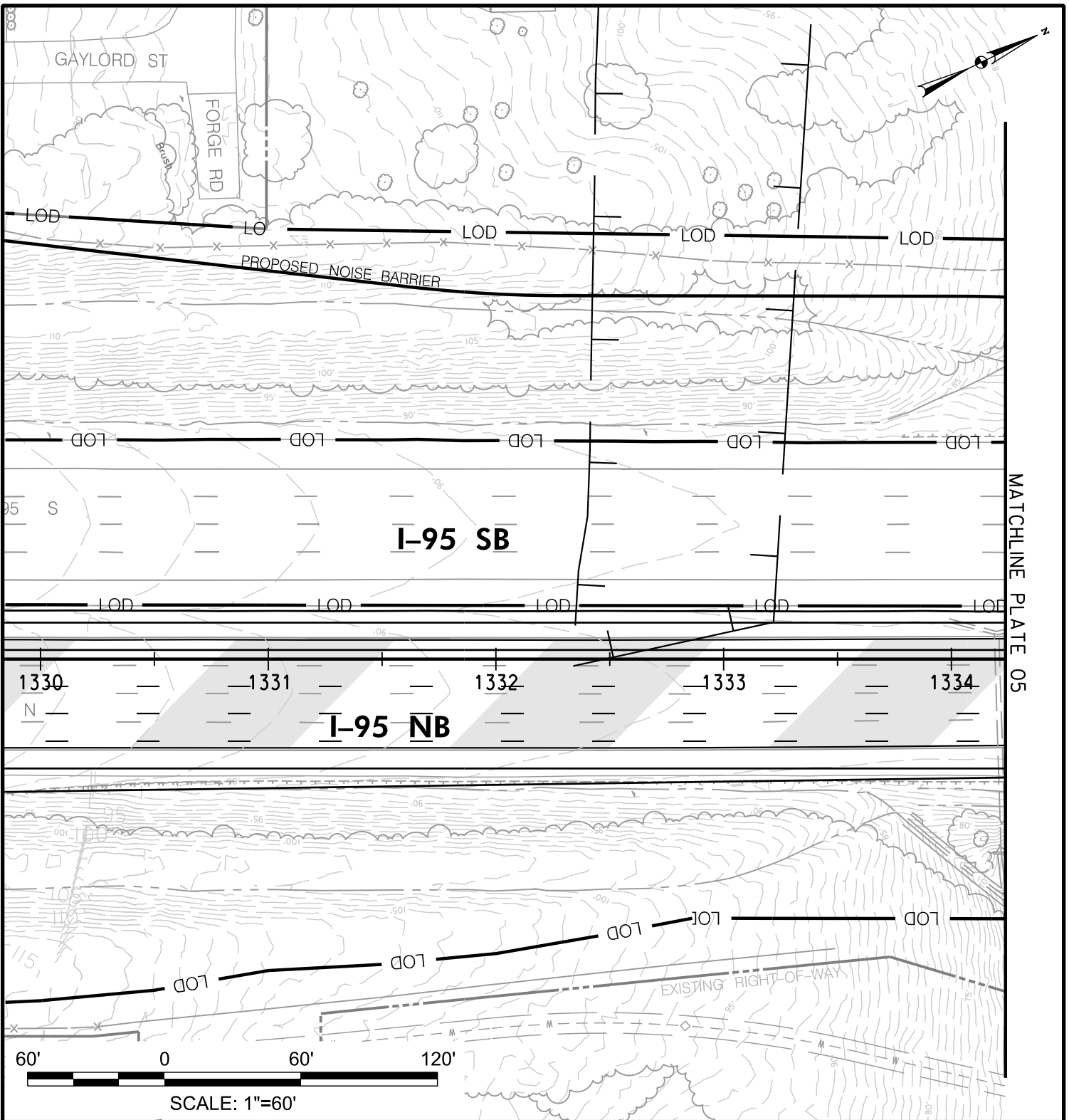
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 03 OF 27



MATCHLINE PLATE 05

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	9,212 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

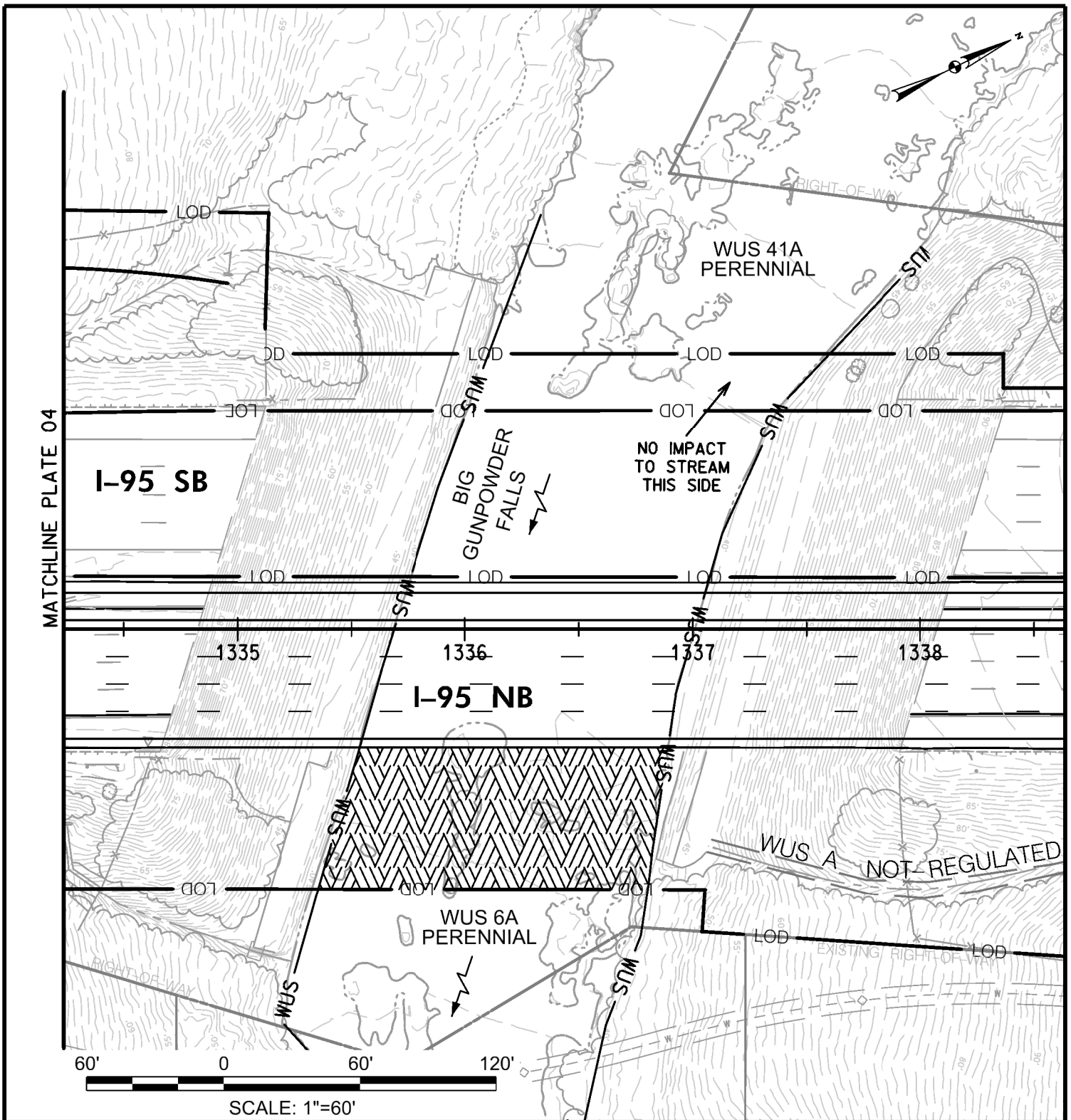
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CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 04 OF 27

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 DATE: Wednesday, May 09, 2018 AT 06:18 PM



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	64/8,733 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



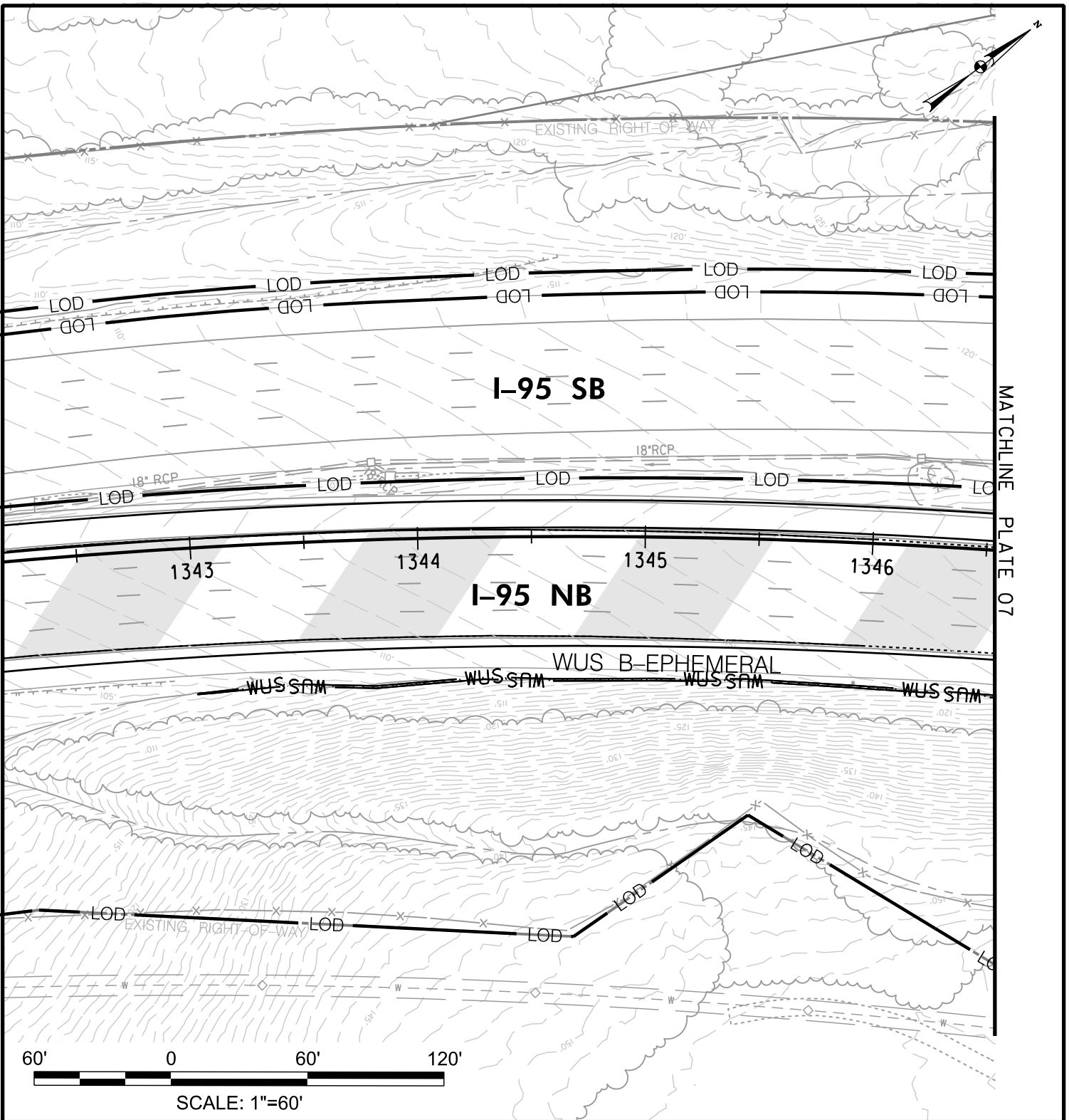
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 05 OF 27



MATCHLINE PLATE 07

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	350/339 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

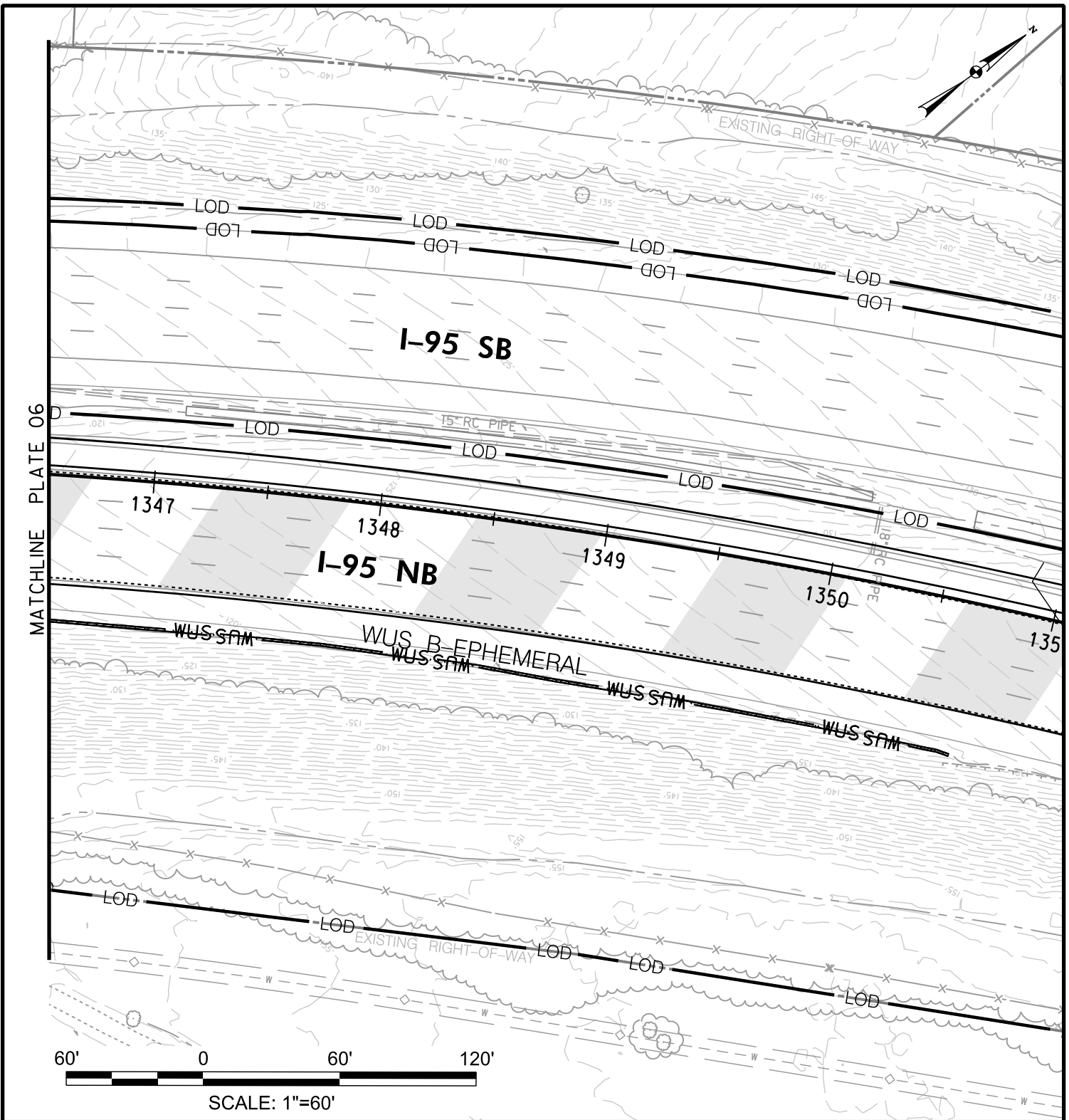
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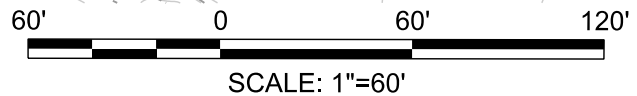
DATE: MAY 2018

PLATE 06 OF 27

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 DATE: Wednesday, May 09, 2018 AT 06:28 PM



MATCHLINE PLATE 06



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	400/406 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



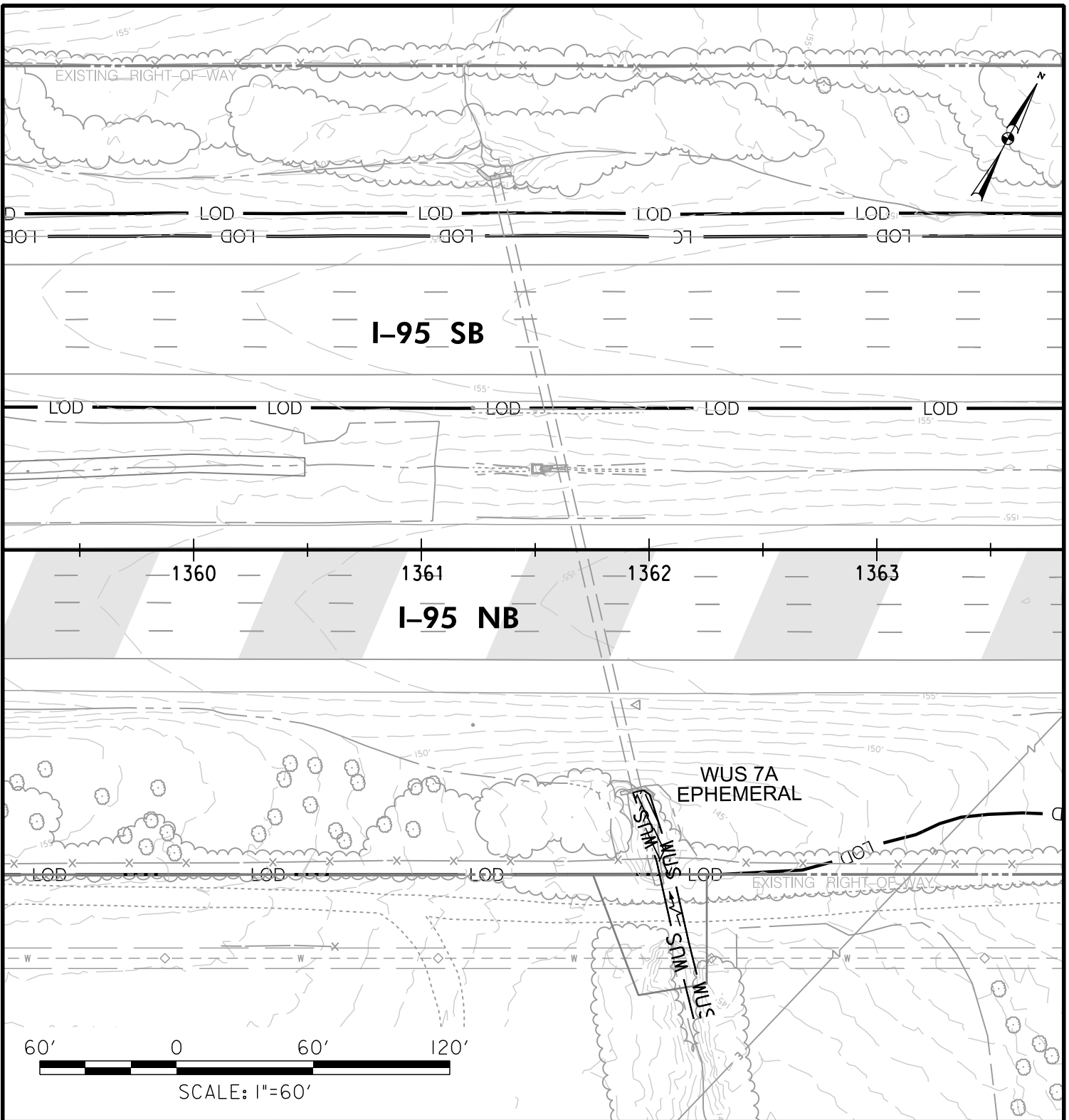
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 07 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	39/240 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



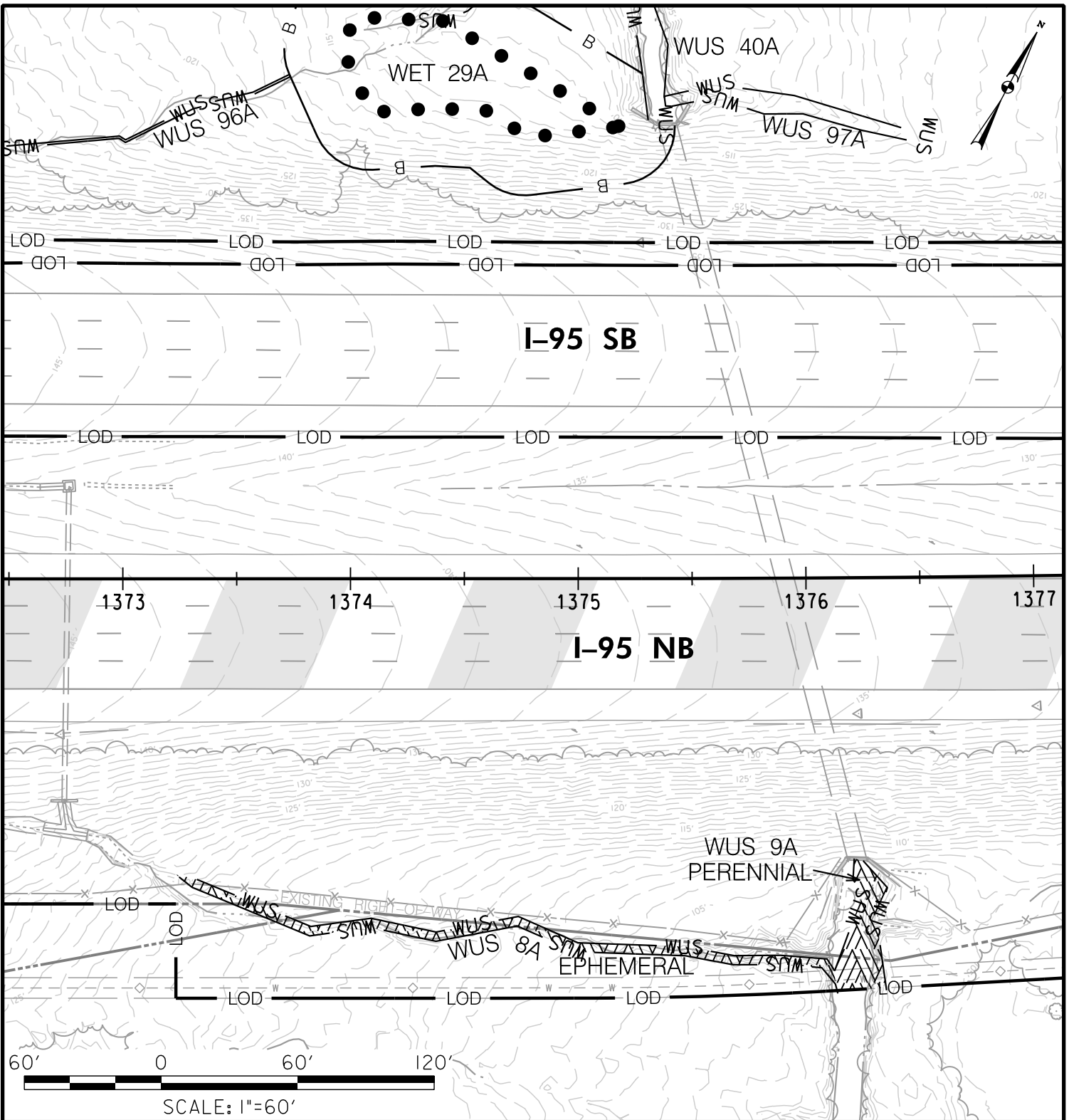
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 08 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	62/789 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	297/1,186 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

**I-95 ETL NORTHBOUND EXTENSION  
NEW FORGE ROAD TO MD 152**

**JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND**



**MARYLAND  
TRANSPORTATION AUTHORITY**

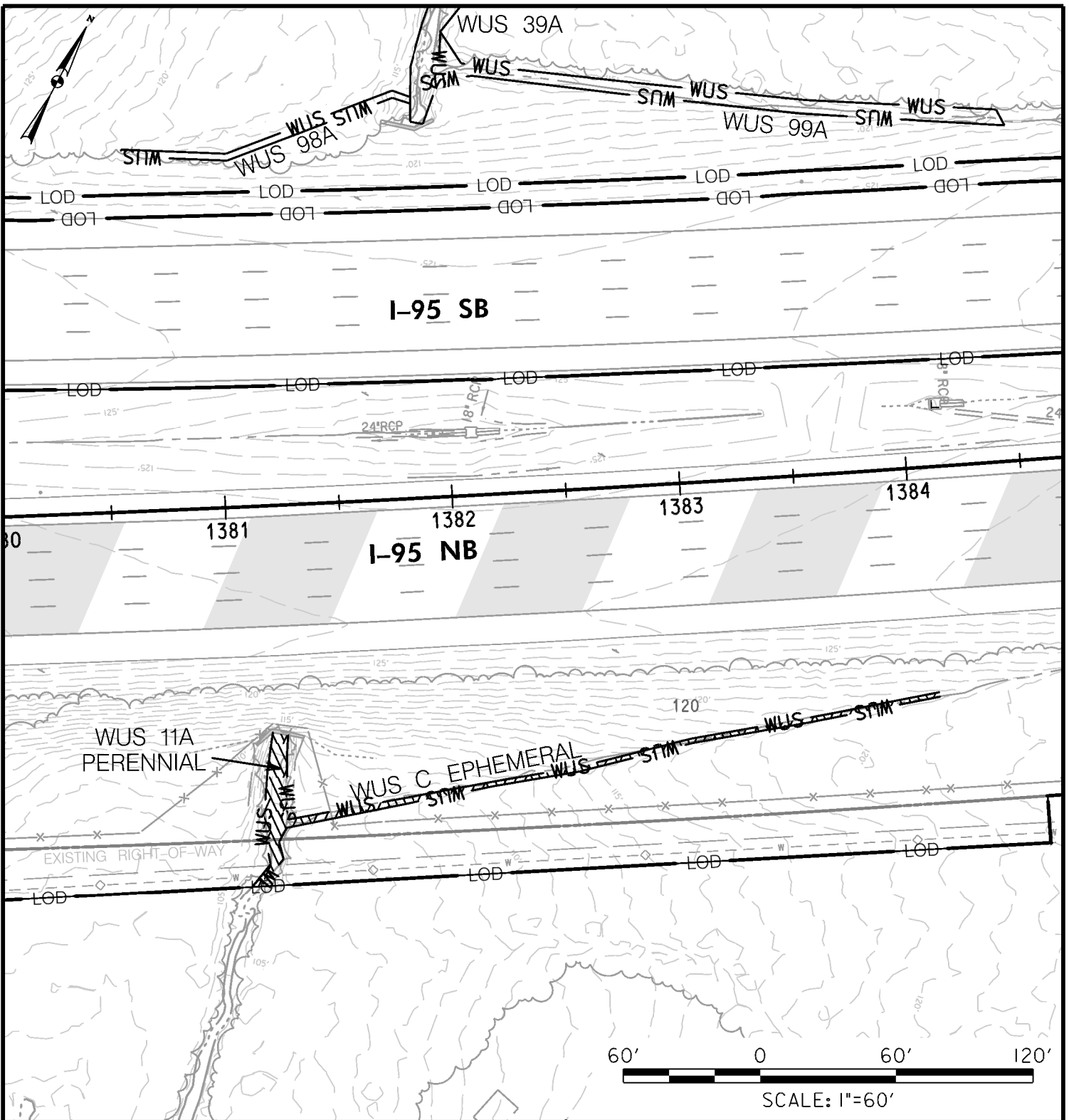
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CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 09 OF 27





**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	71/509 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	292/651 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



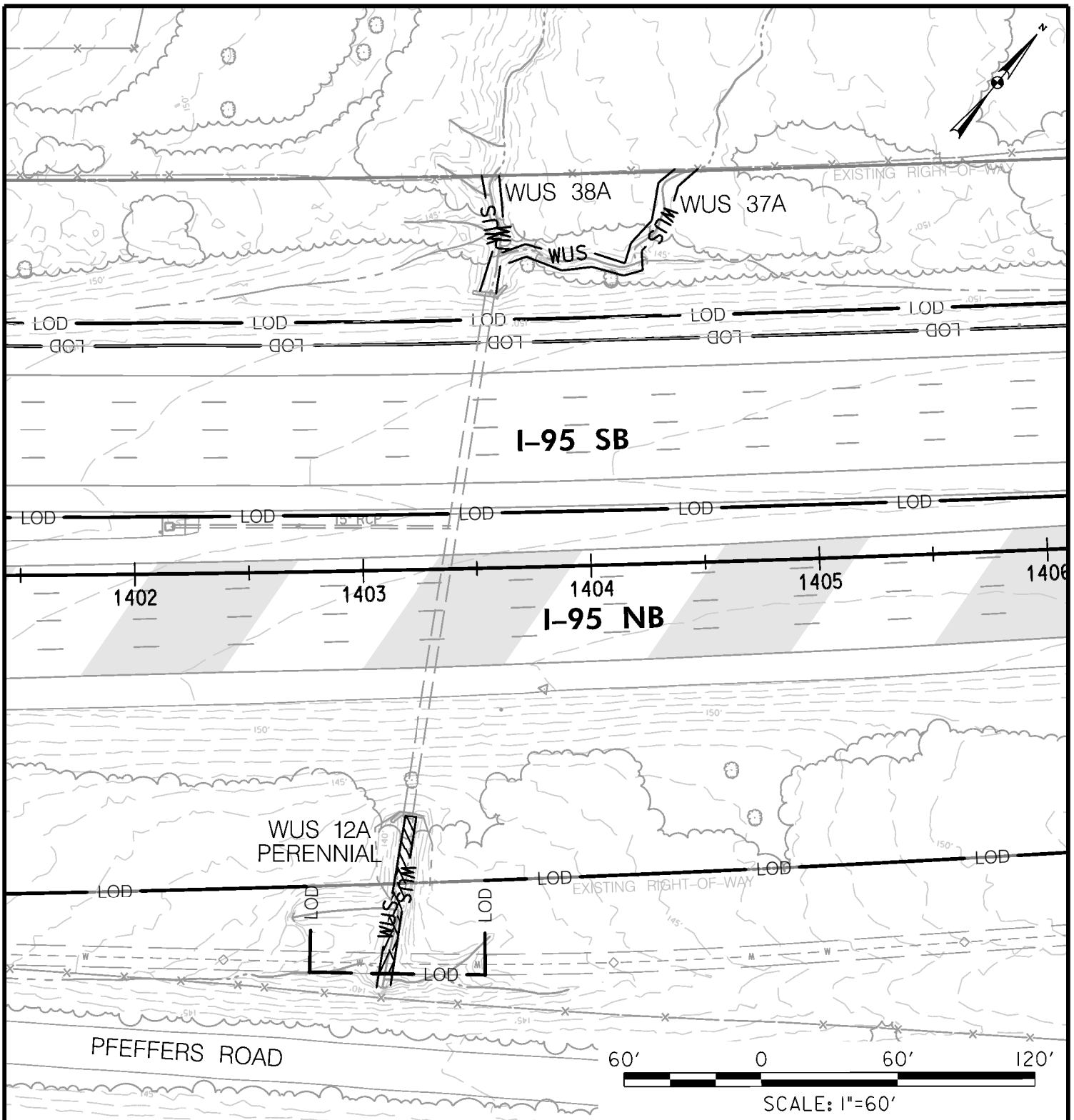
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 10 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
		0 SF		0 SF
PFO WETLAND		0 SF		0 SF
PSS WETLAND		0 SF		0 SF
PEM WETLAND		0 SF		0 SF
PERENNIAL WUS		0 LF/SF	70/372 LF/SF	0 LF/SF
INTERMITTENT WUS		0 LF/SF		0 LF/SF
EPHEMERAL WUS		0 LF/SF		0 LF/SF
WETLAND BUFFER		0 SF		0 SF
100-YEAR FLOODPLAIN		0 SF		0 SF

**WETLAND IMPACT PLATE**

**I-95 ETL NORTHBOUND EXTENSION  
NEW FORGE ROAD TO MD 152**

**JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND**



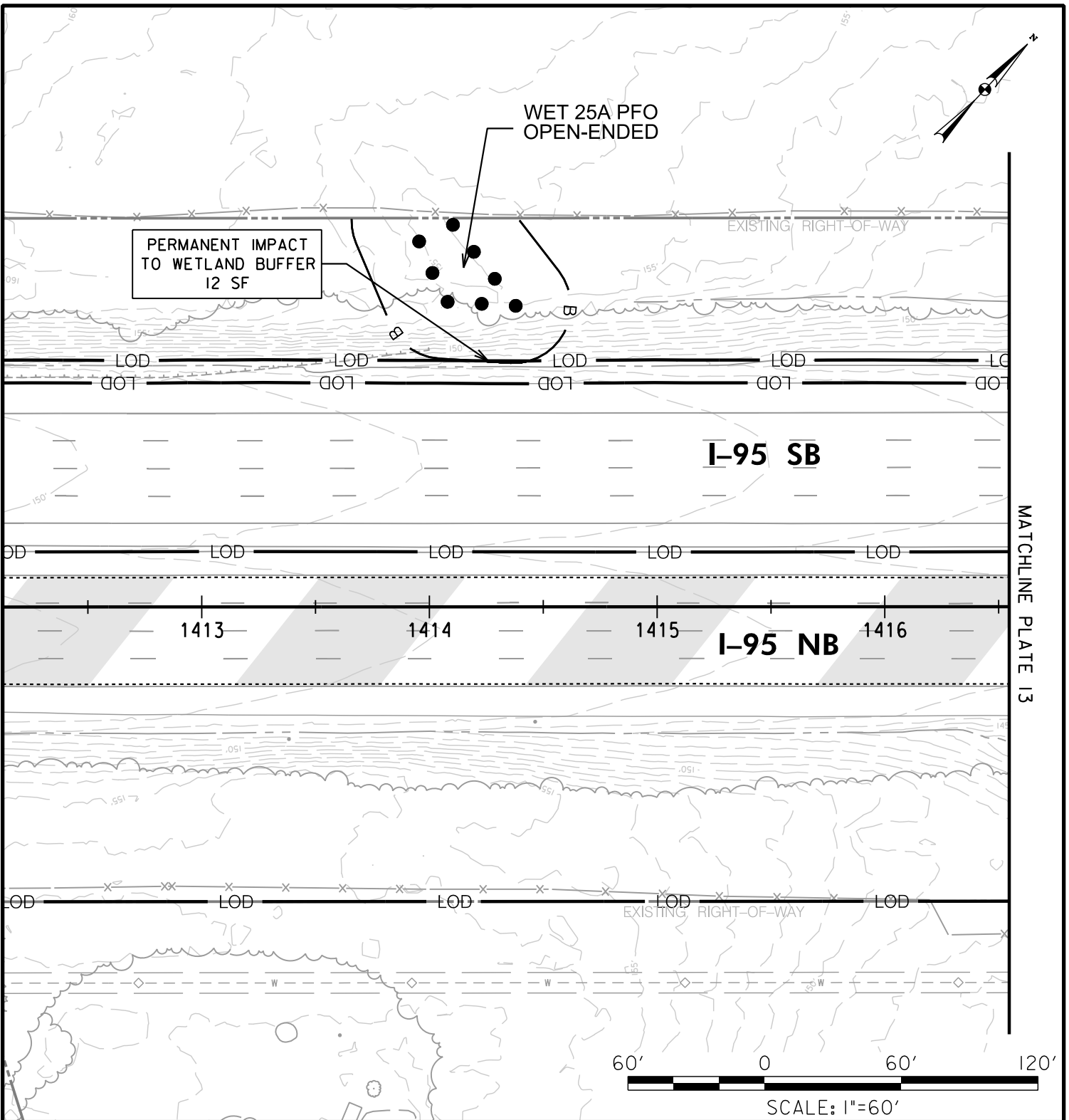
**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 11 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
		0 SF		0 SF
PFO WETLAND		0 SF		0 SF
PSS WETLAND		0 SF		0 SF
PEM WETLAND		0 SF		0 SF
PERENNIAL WUS		0 LF/SF		0 LF/SF
INTERMITTENT WUS		0 LF/SF		0 LF/SF
EPHEMERAL WUS		0 LF/SF		0 LF/SF
WETLAND BUFFER		0 SF		12 SF
100-YEAR FLOODPLAIN		0 SF		0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

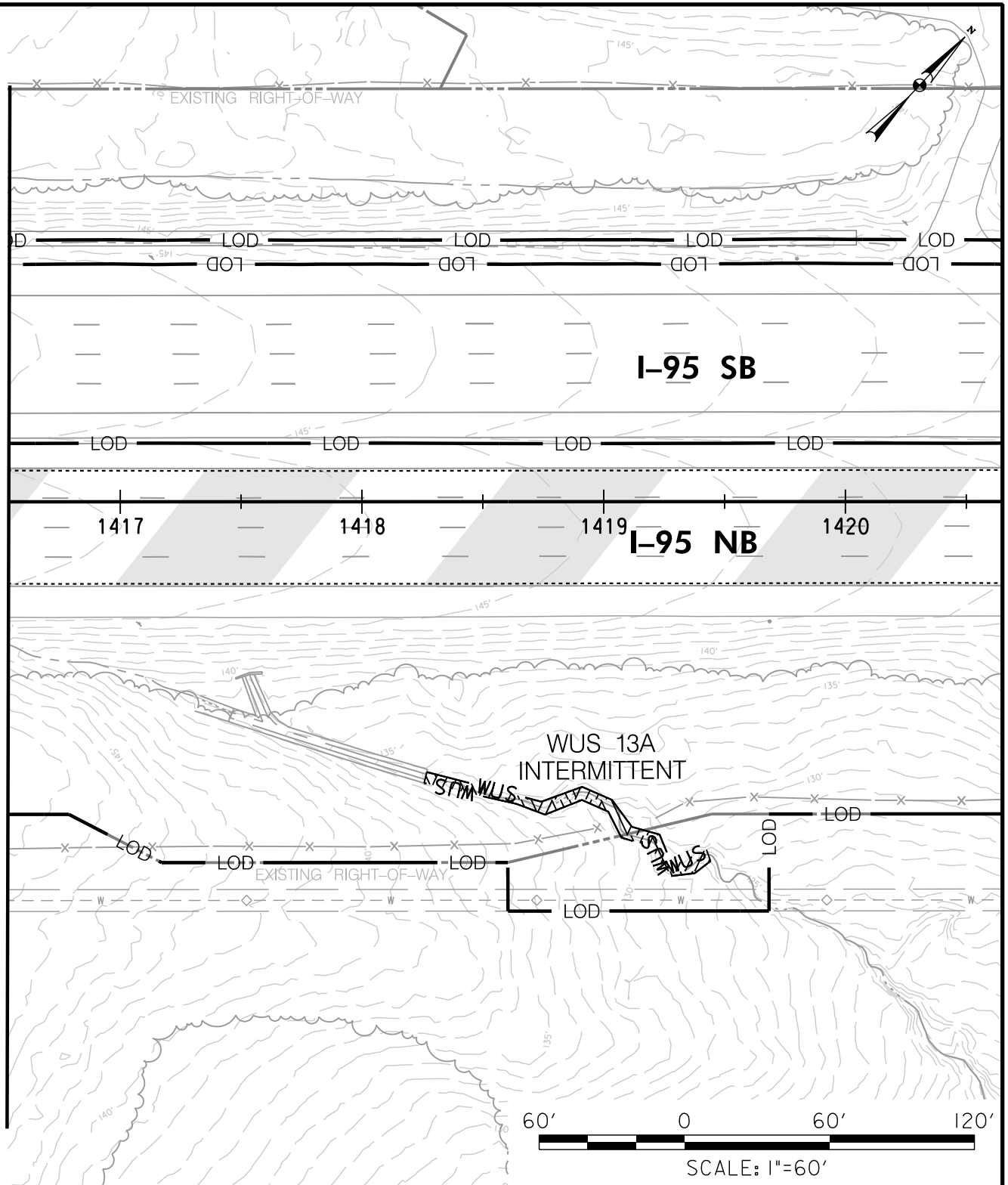
SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 12 OF 27

MATCHLINE PLATE 12



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	136/654 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



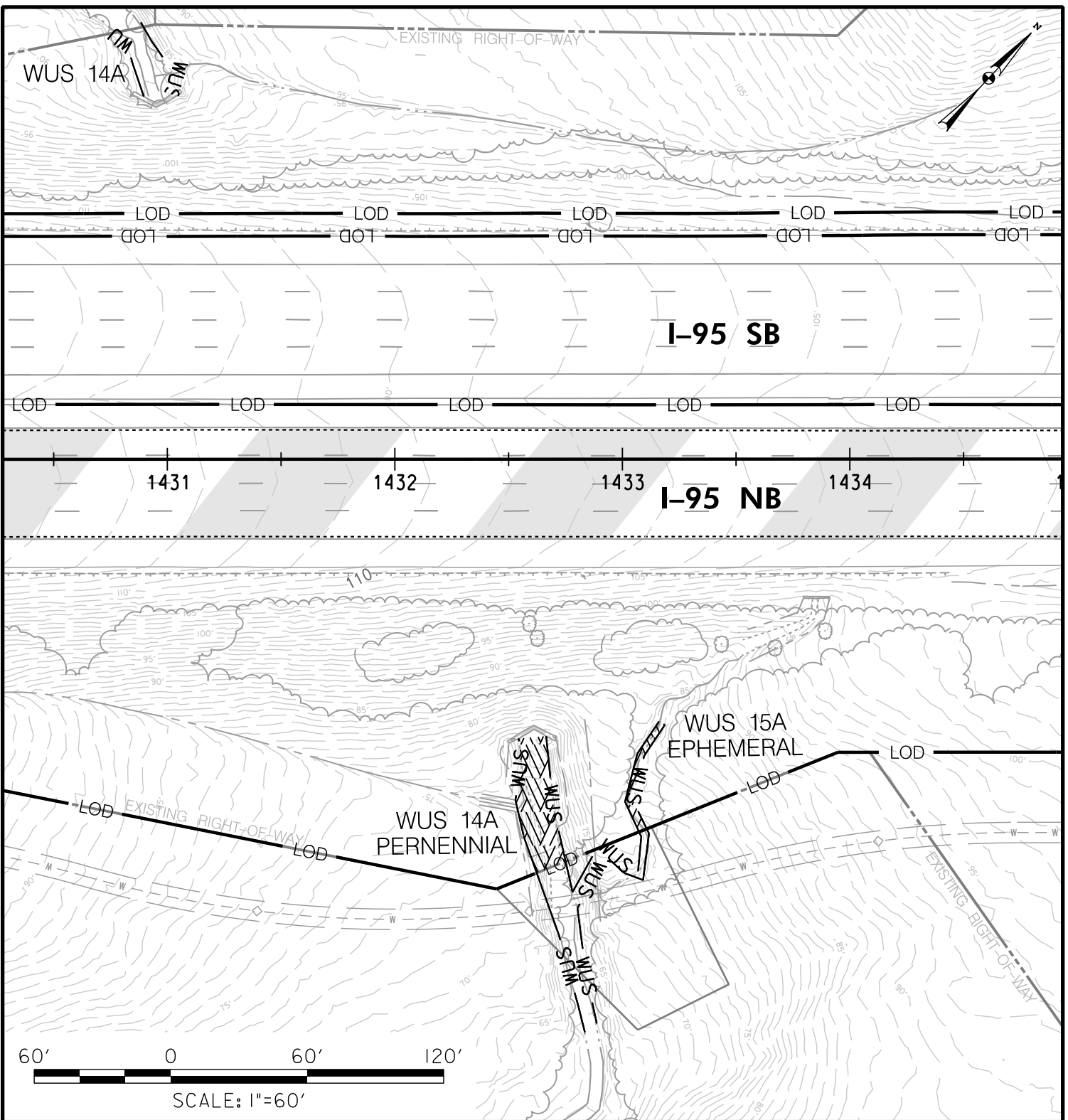
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 13 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	58/830 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	52/170 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

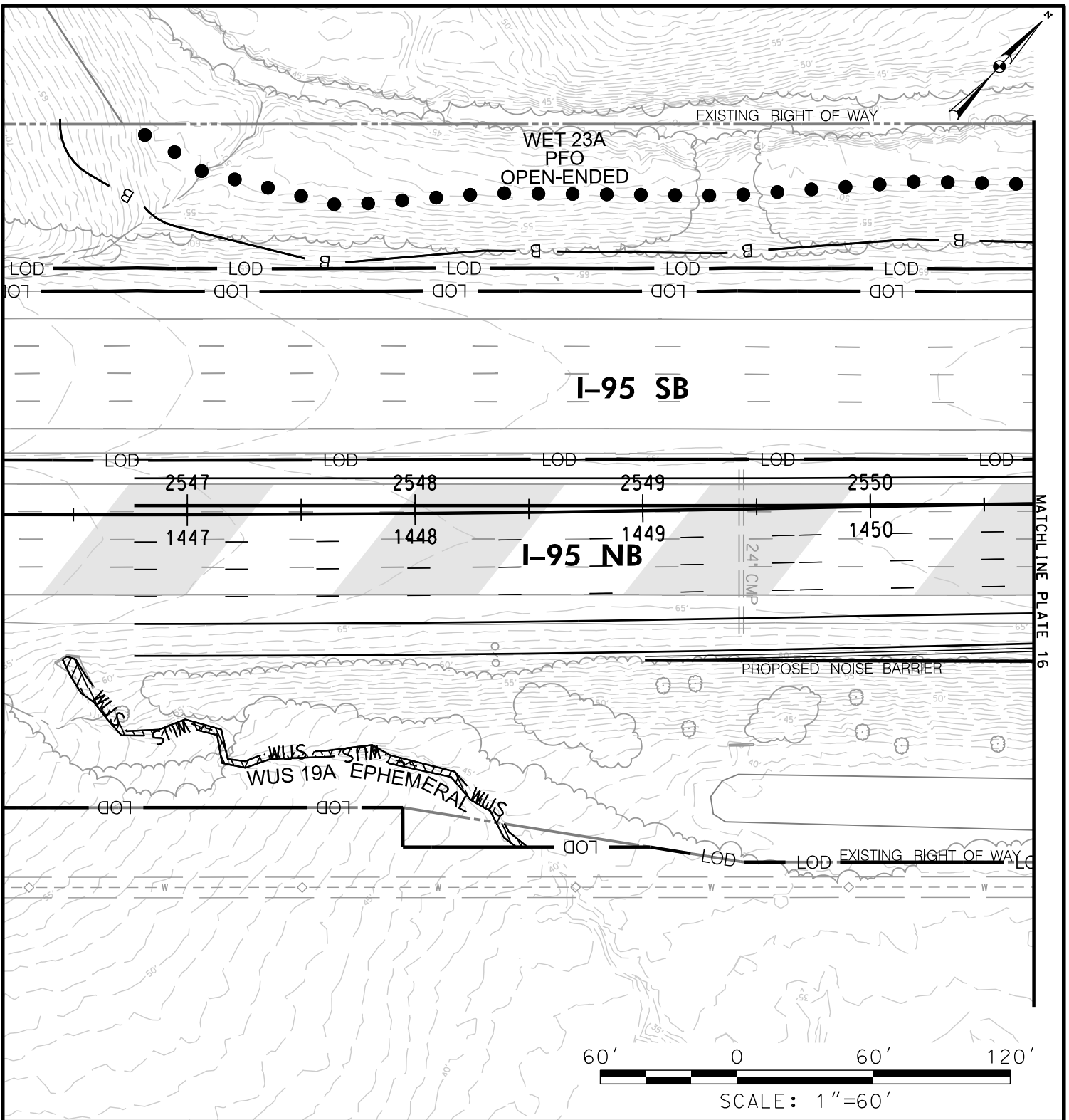
SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 14 OF 27

FILE: Q:\SMD\130770\_048\_195\_ETL\_N\_Trans\CADD\N&CR\JPA PLATES\pWT - Plate 14-May.dgn  
 DATE: Wednesday, May 09, 2018 AT 07:21 PM



MATCHLINE PLATE 16

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	245/768 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



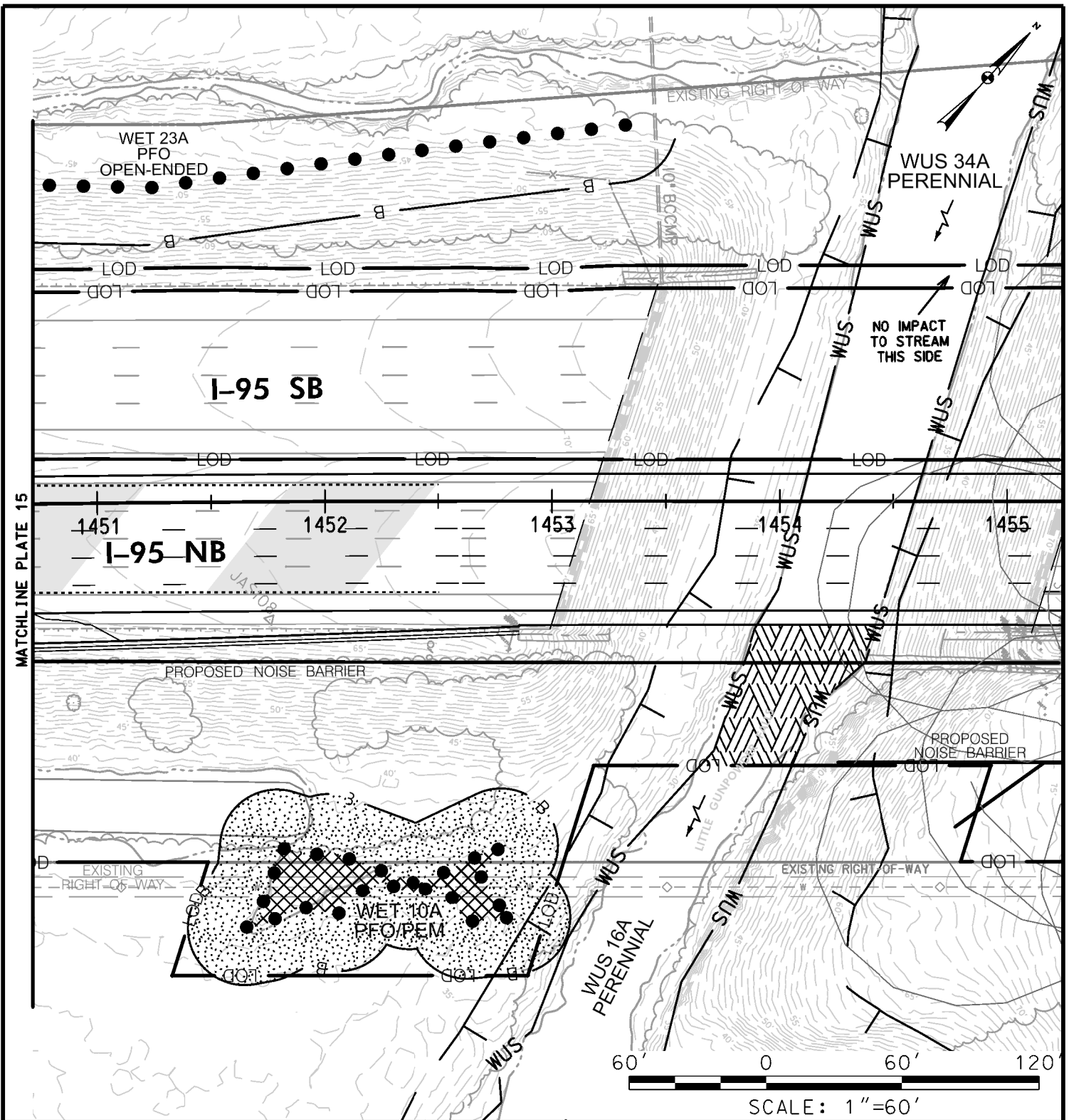
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 15 OF 27



MATCHLINE PLATE 15

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM/PFO WETLAND	0 SF	1670 SF
PERENNIAL WUS	0 LF/SF	66/2,740 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	9,907 SF
100-YEAR FLOODPLAIN	0 SF	7,621 SF

**WETLAND IMPACT PLATE**

**I-95 ETL NORTHBOUND EXTENSION  
NEW FORGE ROAD TO MD 152  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND**



**MARYLAND  
TRANSPORTATION AUTHORITY**

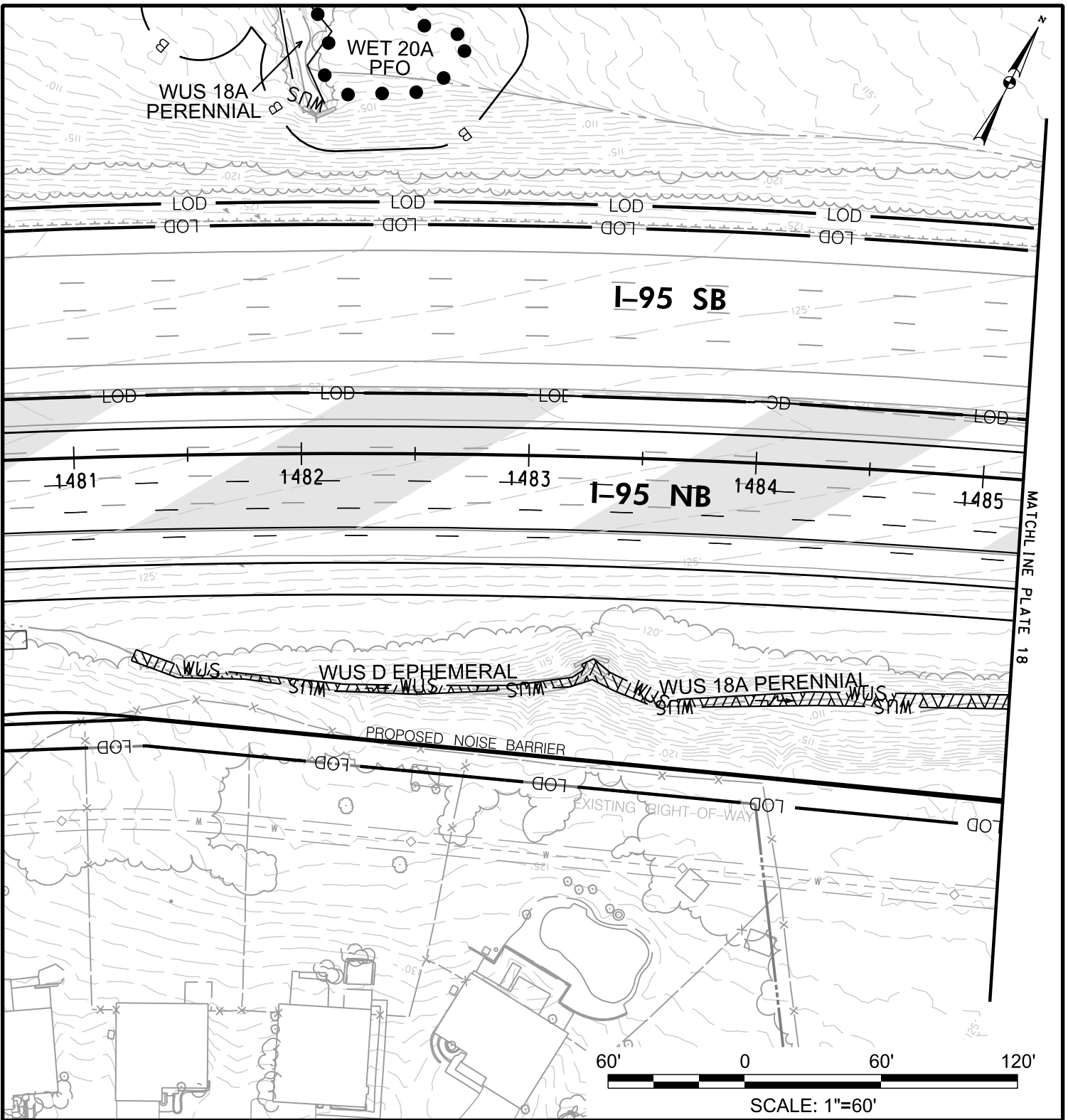
SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3013, KH-3014

DATE: MAY 2018

PLATE 16 OF 27

FILE: 0:\SMD\130770\_048\_195\_ETL\_N\_Trans\CADD\N&CR\JPA PLATES\pwt - Plate 16-May.dgn  
DATE: Tuesday, May 15, 2018 AT 12:59 PM



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	192/1,042 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	202/703 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
NEW FORGE ROAD TO MD 152

JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
TRANSPORTATION AUTHORITY**

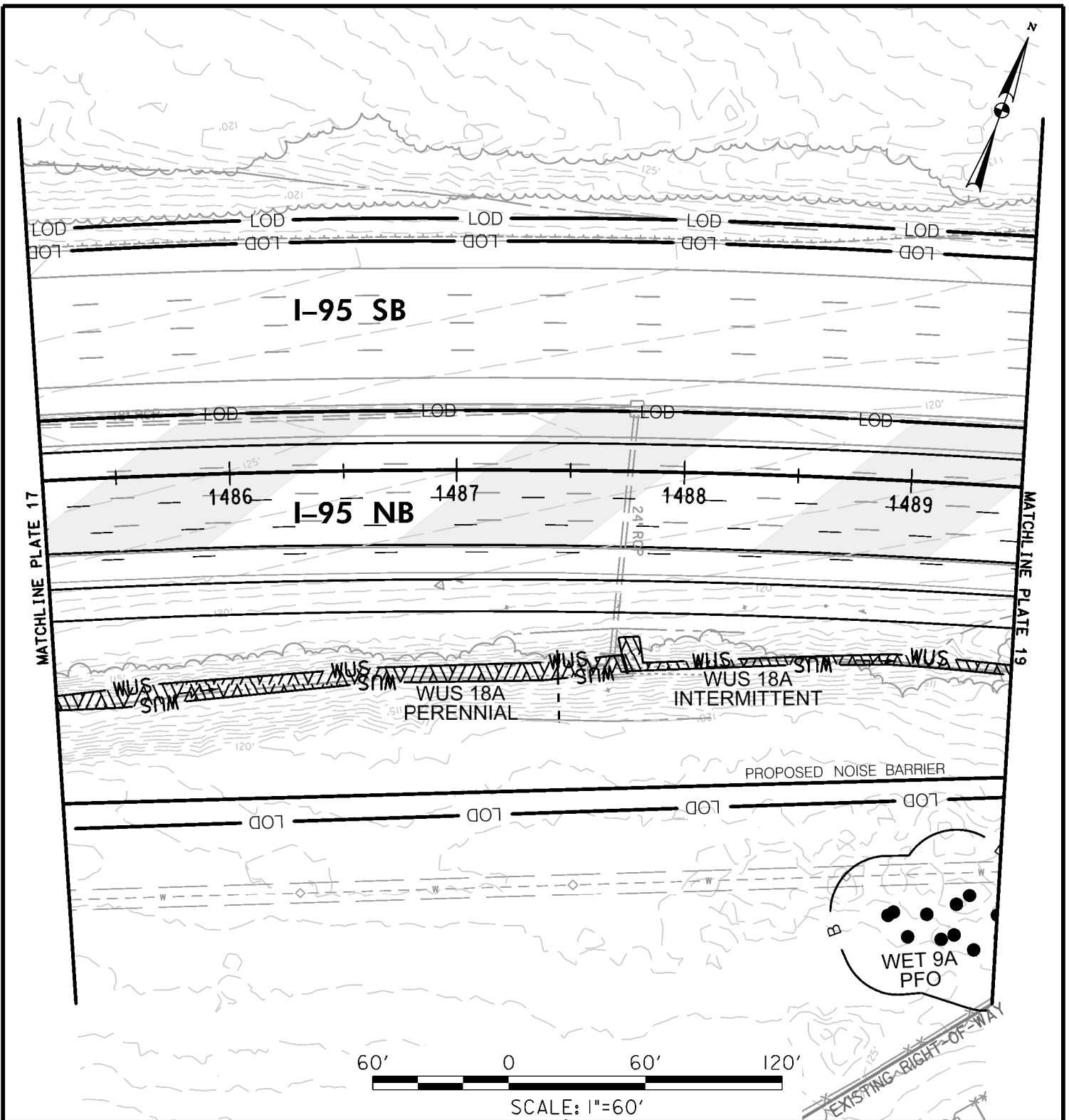
SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 17 OF 27





**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
	0 SF	0 SF	251/1,894 LF/SF	0 SF
PFO WETLAND	0 SF	0 SF	0 SF	0 SF
PSS WETLAND	0 SF	0 SF	0 SF	0 SF
PEM WETLAND	0 SF	0 SF	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 SF	251/1,894 LF/SF	0 SF
INTERMITTENT WUS	0 LF/SF	0 SF	179/769 LF/SF	0 SF
EPHEMERAL WUS	0 LF/SF	0 SF	0 LF/SF	0 SF
WETLAND BUFFER	0 SF	0 SF	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF	0 SF	0 SF

**WETLAND IMPACT PLATE**

**I-95 ETL NORTHBOUND EXTENSION  
NEW FORGE ROAD TO MD 152  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND**



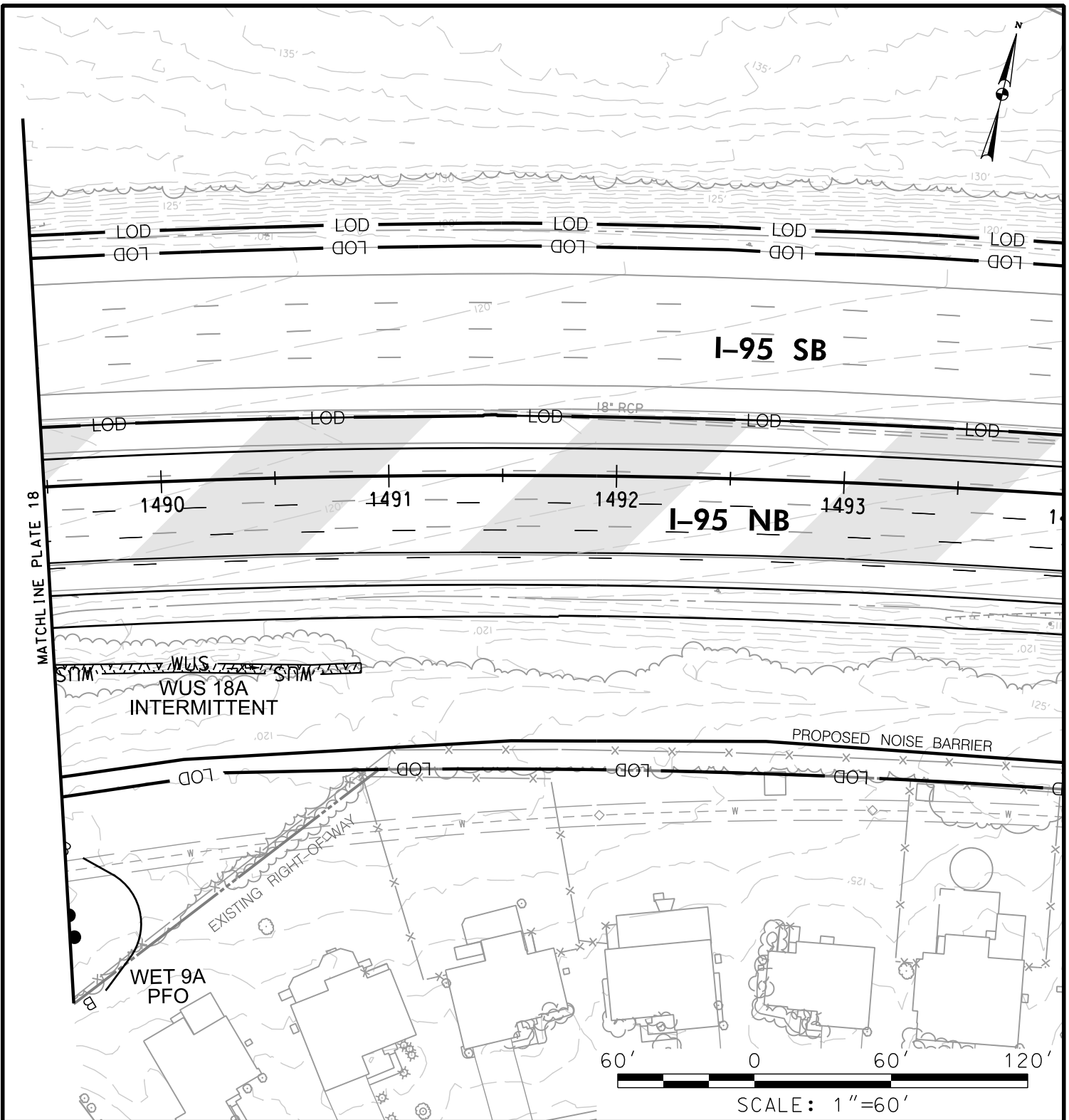
**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 18 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
		0 SF		0 SF
PFO WETLAND		0 SF		0 SF
PSS WETLAND		0 SF		0 SF
PEM WETLAND		0 SF		0 SF
PERENNIAL WUS		0 LF/SF		0 LF/SF
INTERMITTENT WUS		0 LF/SF	135/559	LF/SF
EPHEMERAL WUS		0 LF/SF		0 LF/SF
WETLAND BUFFER		0 SF		0 SF
100-YEAR FLOODPLAIN		0 SF		0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



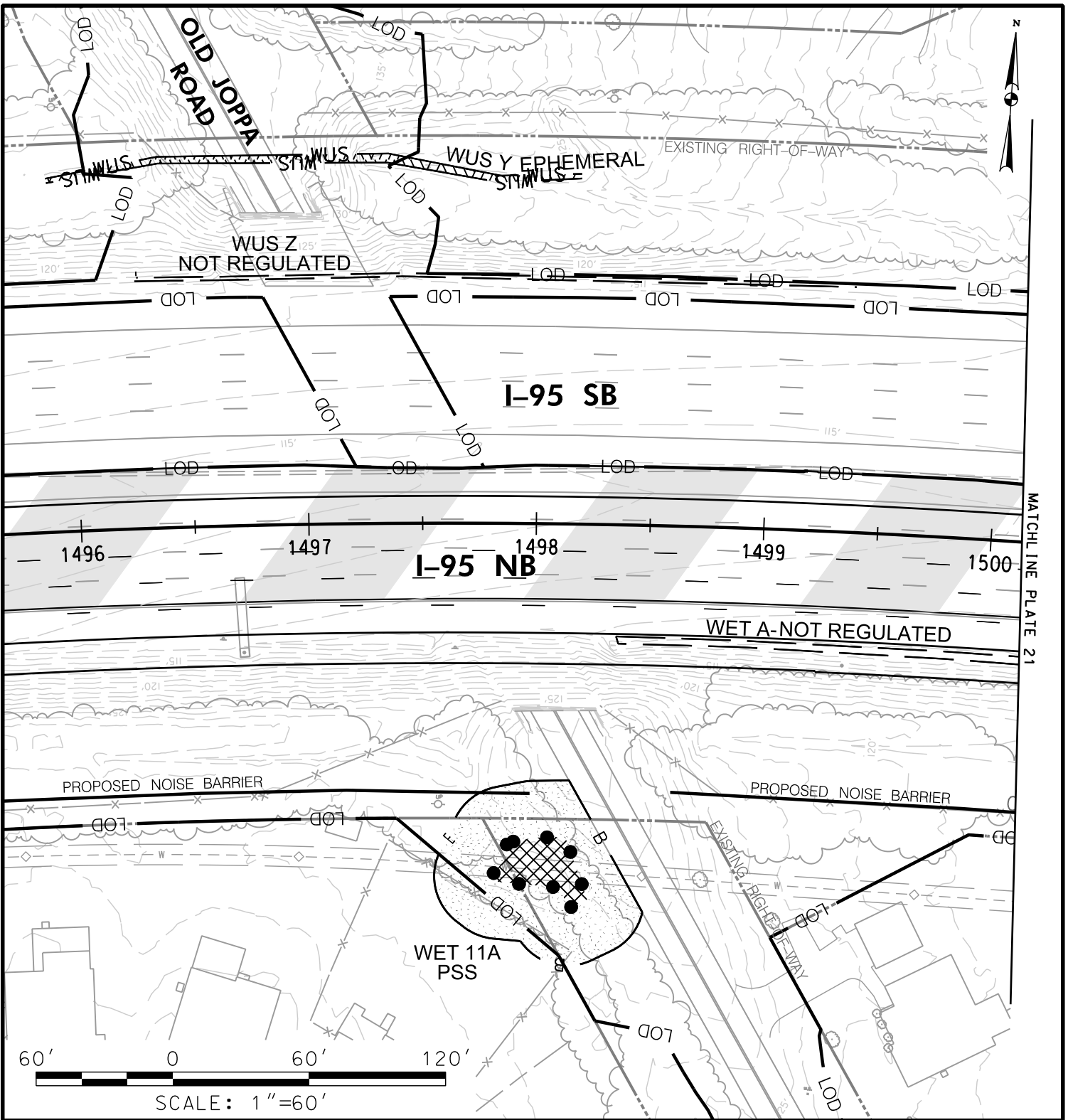
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 19 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	728 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	237/746 LF/SF
WETLAND BUFFER	0 SF	4,473 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
NEW FORGE ROAD TO MD 152

JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND



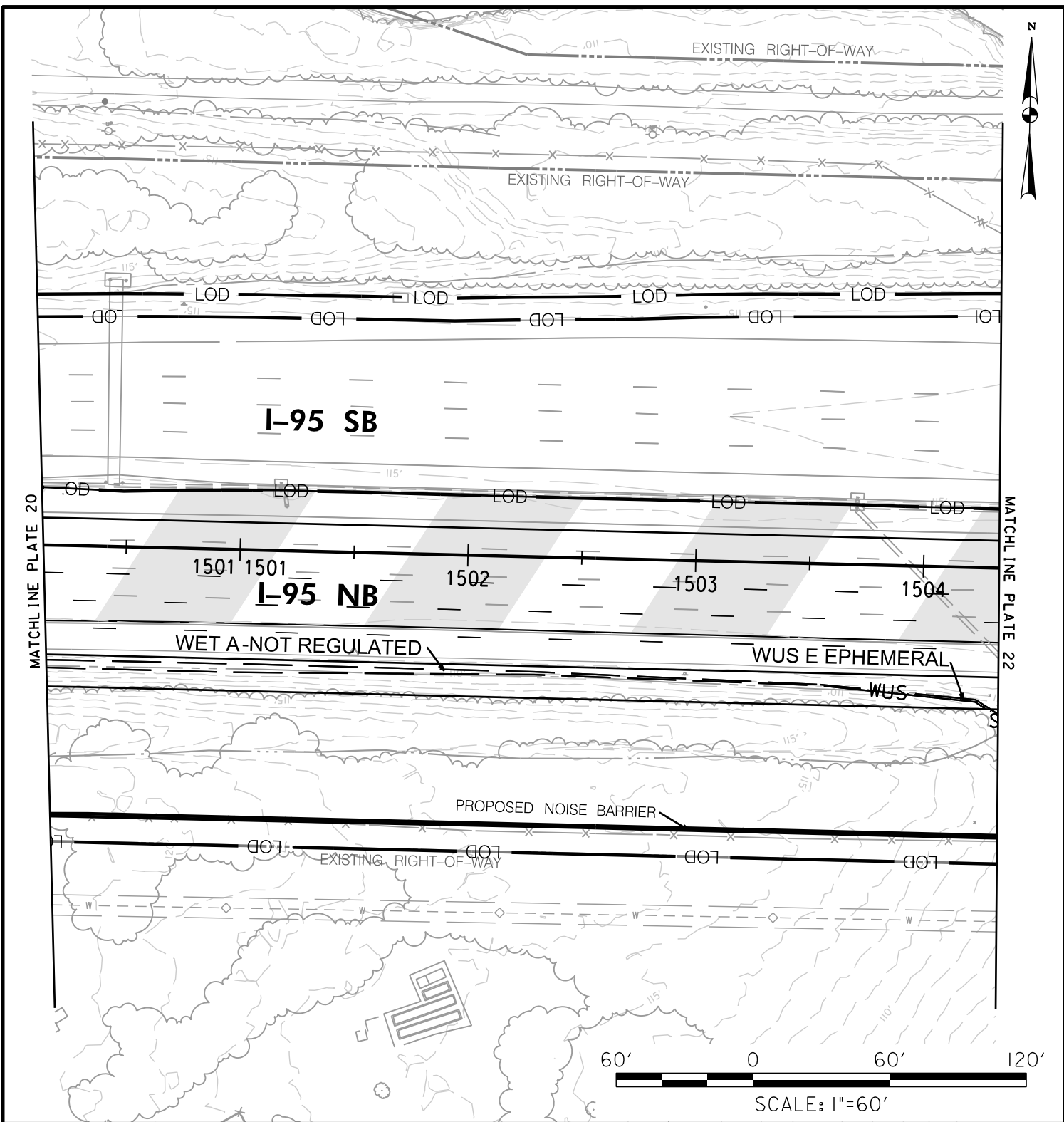
**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: 3014, 3009, 3015, 3013

DATE: MAY 2018

PLATE 20 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	80/60 LF/SF
WETLAND BUFFER	0 SF	0 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

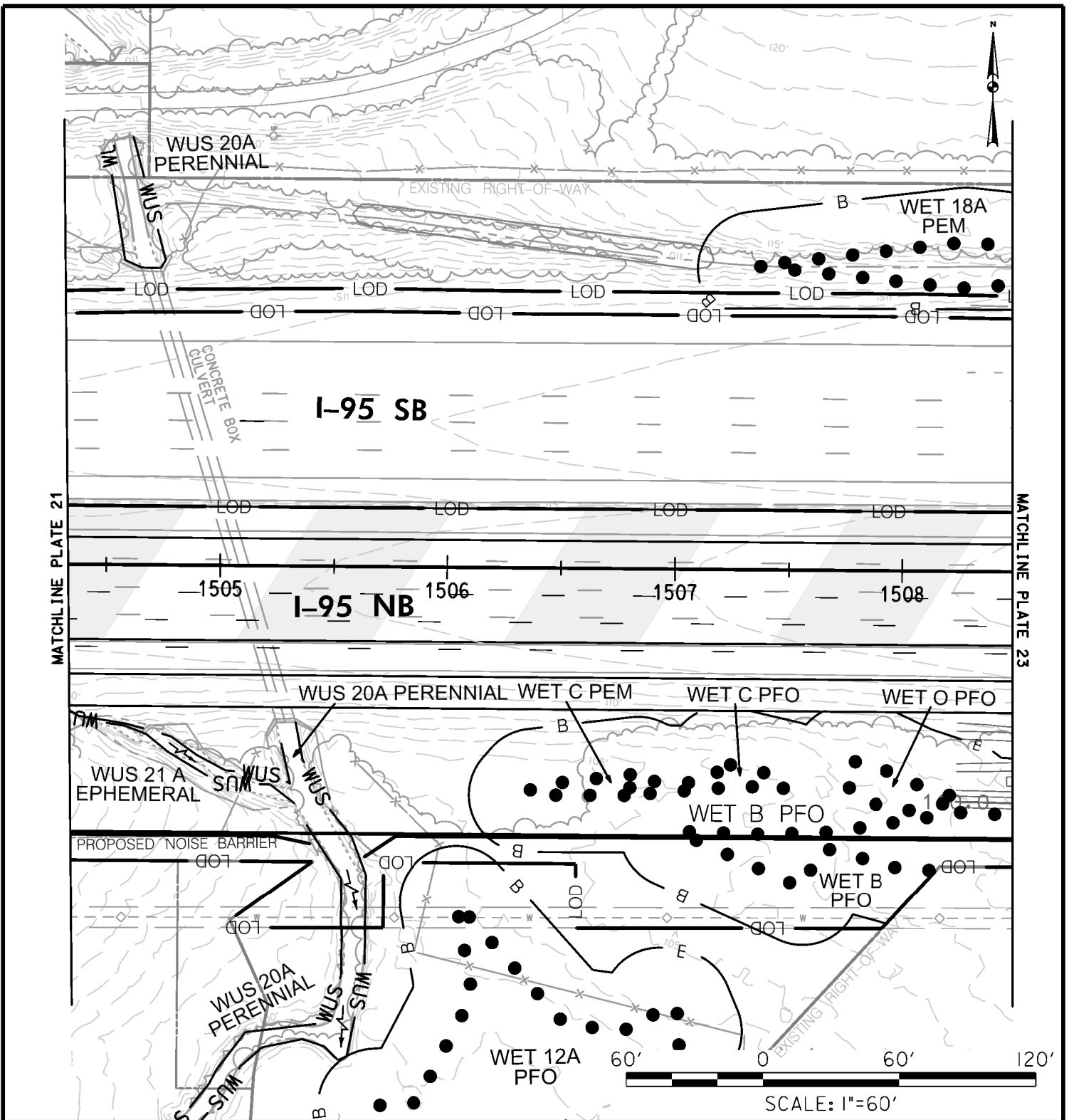
SCALE: 1" = 60'

CONTRACT NO.: KH-3014, KH-3009, KH-3013

DATE: MAY 2018

PLATE 21 OF 27

FILE: Q:\SMD\130770\_048\_195\_ETL\_N\_Tran\CADD\N&CR\JPA PLATES\pWT - Plate 21-May.dgn  
 DATE: Wednesday, May 09, 2018 AT 08:37 PM



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	3,341 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	293 SF
PERENNIAL WUS	0 LF/SF	97/1,045 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	106/410 LF/SF
WETLAND BUFFER	0 SF	14,383 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



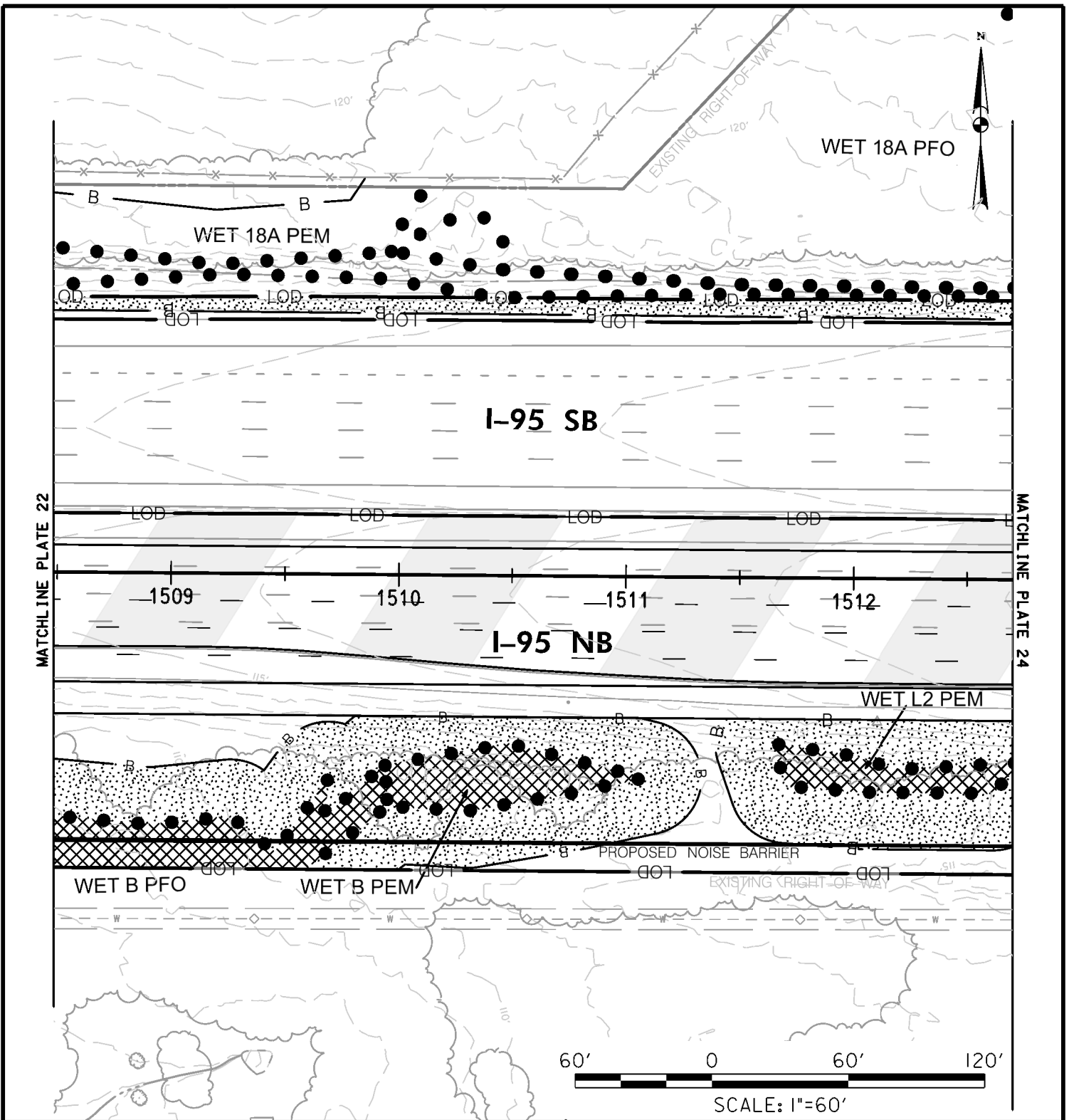
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3013, KH-3014

DATE: MAY 2018

PLATE 22 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	2,872 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	3,437 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	19,279 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



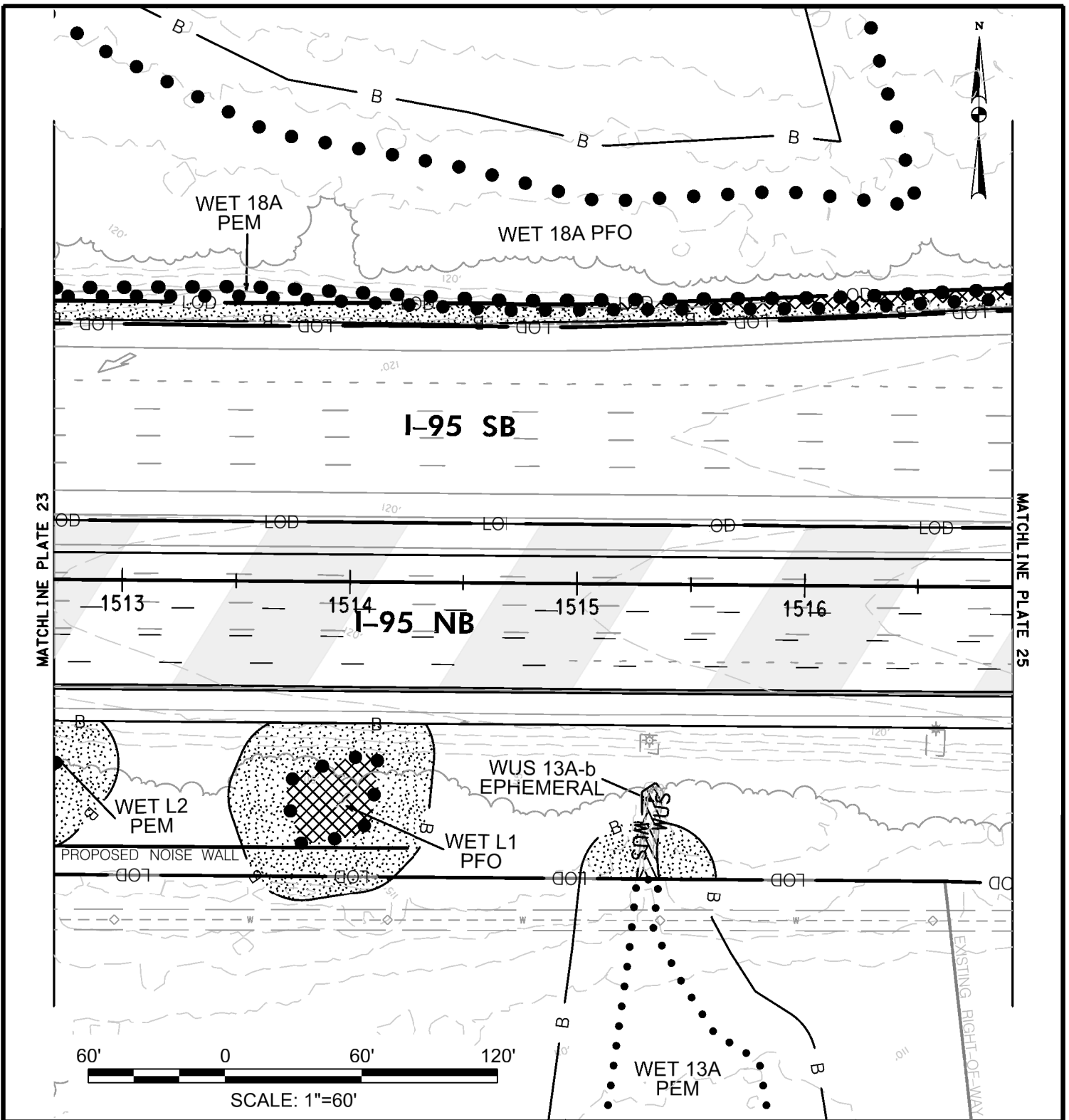
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3013, KH-3014

DATE: MAY 2018

PLATE 23 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	1,167 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	944 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	42/336 LF/SF
WETLAND BUFFER	0 SF	9,512 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



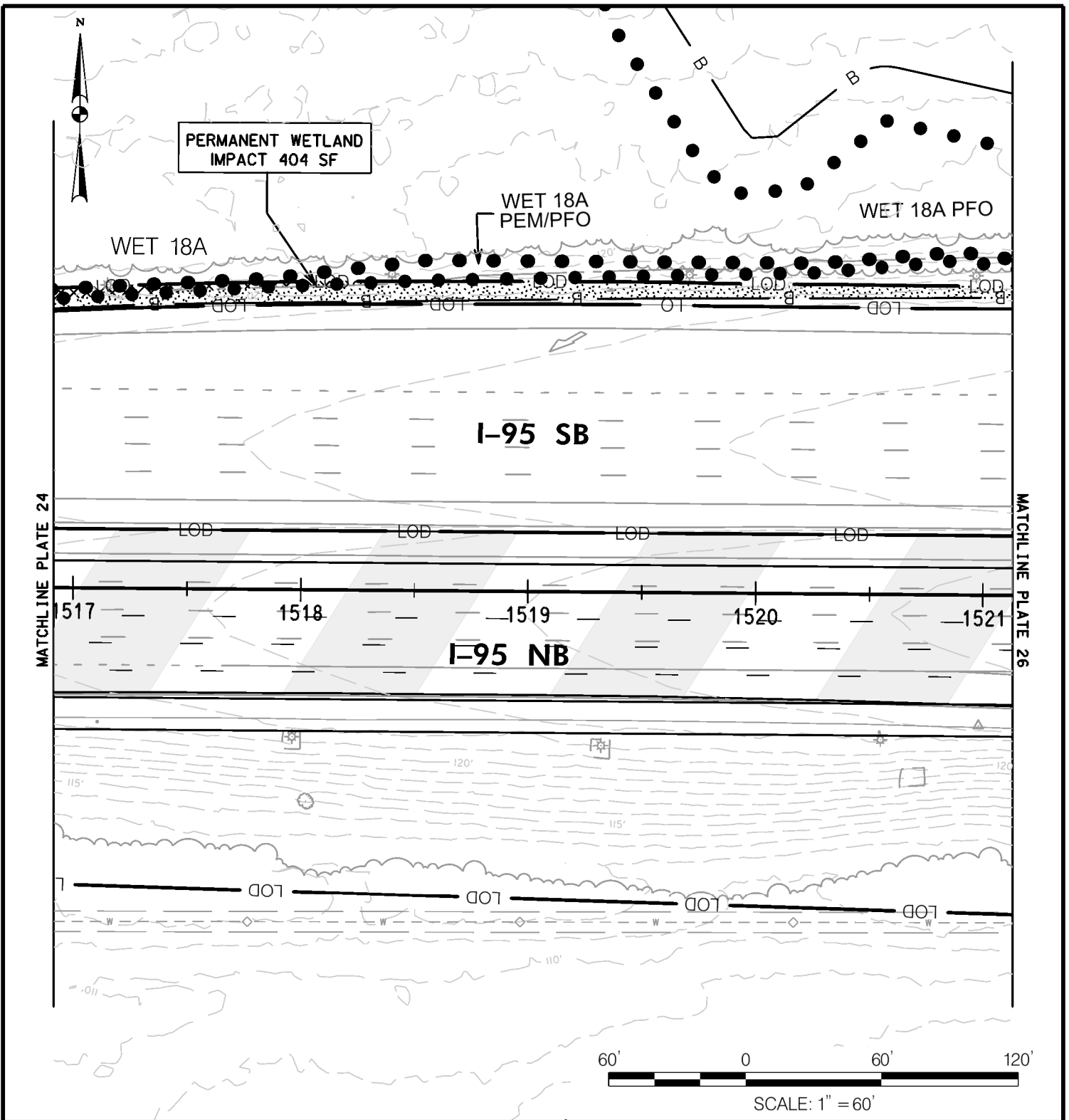
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 24 OF 27



**IMPACTS ON THIS PLATE**

	IMPACTS ON THIS PLATE	
	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	404 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	2,788 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

**I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND**



**MARYLAND  
 TRANSPORTATION AUTHORITY**

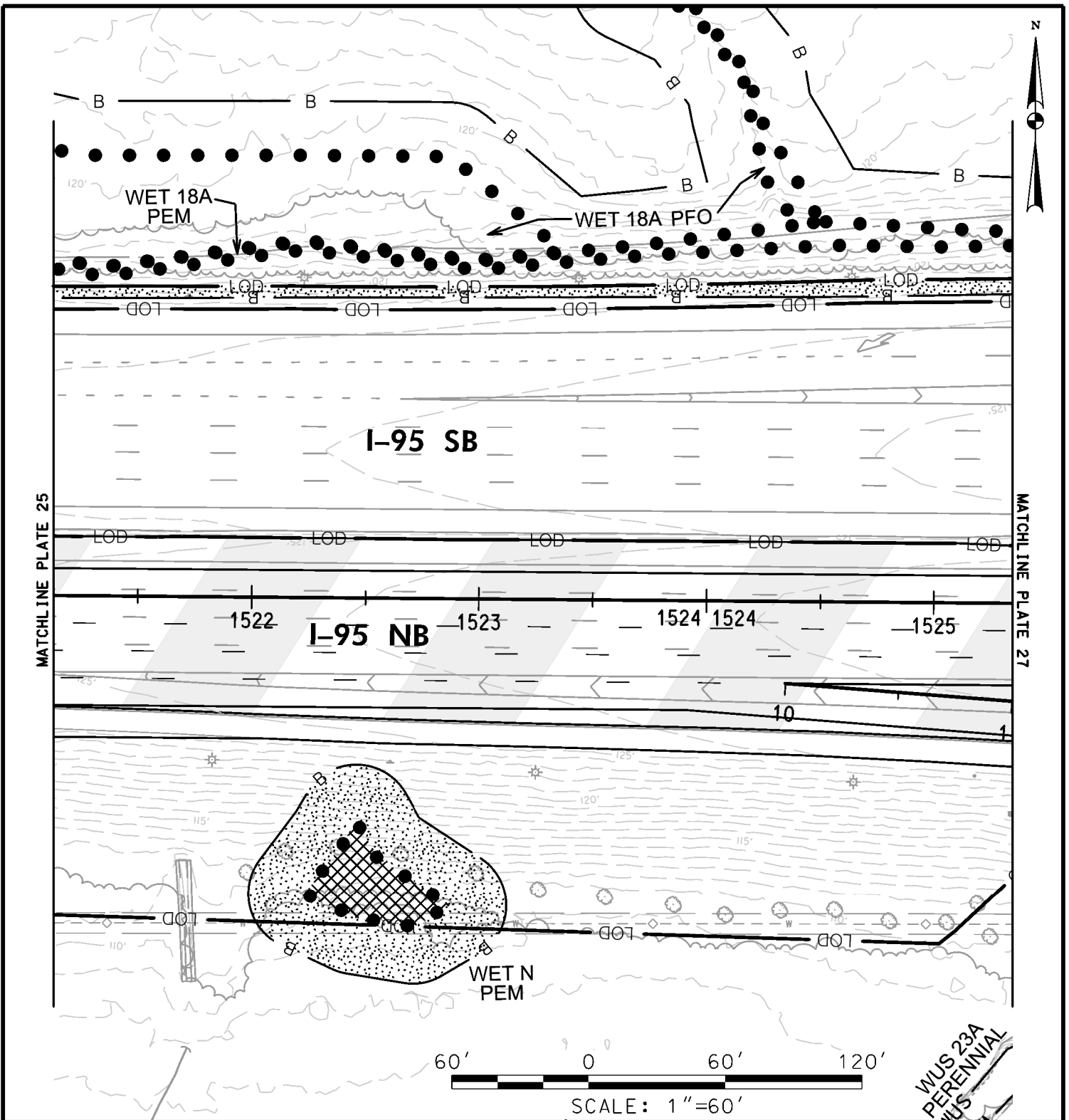
SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 25 OF 27





**IMPACTS ON THIS PLATE**

	IMPACTS ON THIS PLATE	
	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	1,318 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	0 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	8,397 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



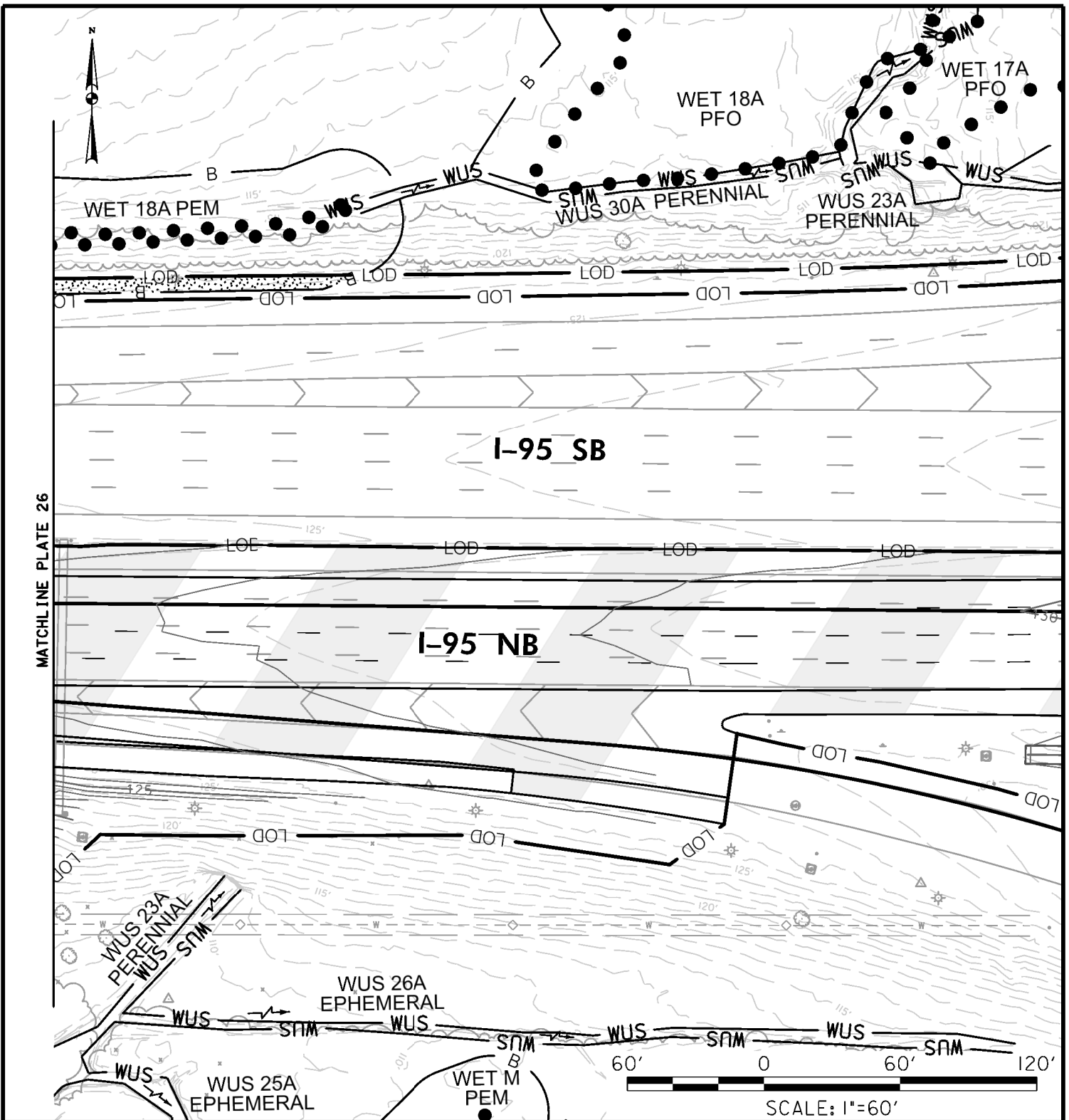
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 26 OF 27



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
PFO WETLAND	0	SF	0	SF
PSS WETLAND	0	SF	0	SF
PEM WETLAND	0	SF	0	SF
PERENNIAL WUS	0	LF/SF	0	LF/SF
INTERMITTENT WUS	0	LF/SF	0	LF/SF
EPHEMERAL WUS	0	LF/SF	0	LF/SF
WETLAND BUFFER	0	SF	832	SF
100-YEAR FLOODPLAIN	0	SF	0	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 NEW FORGE ROAD TO MD 152  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 BALTIMORE & HARFORD COUNTIES, MARYLAND



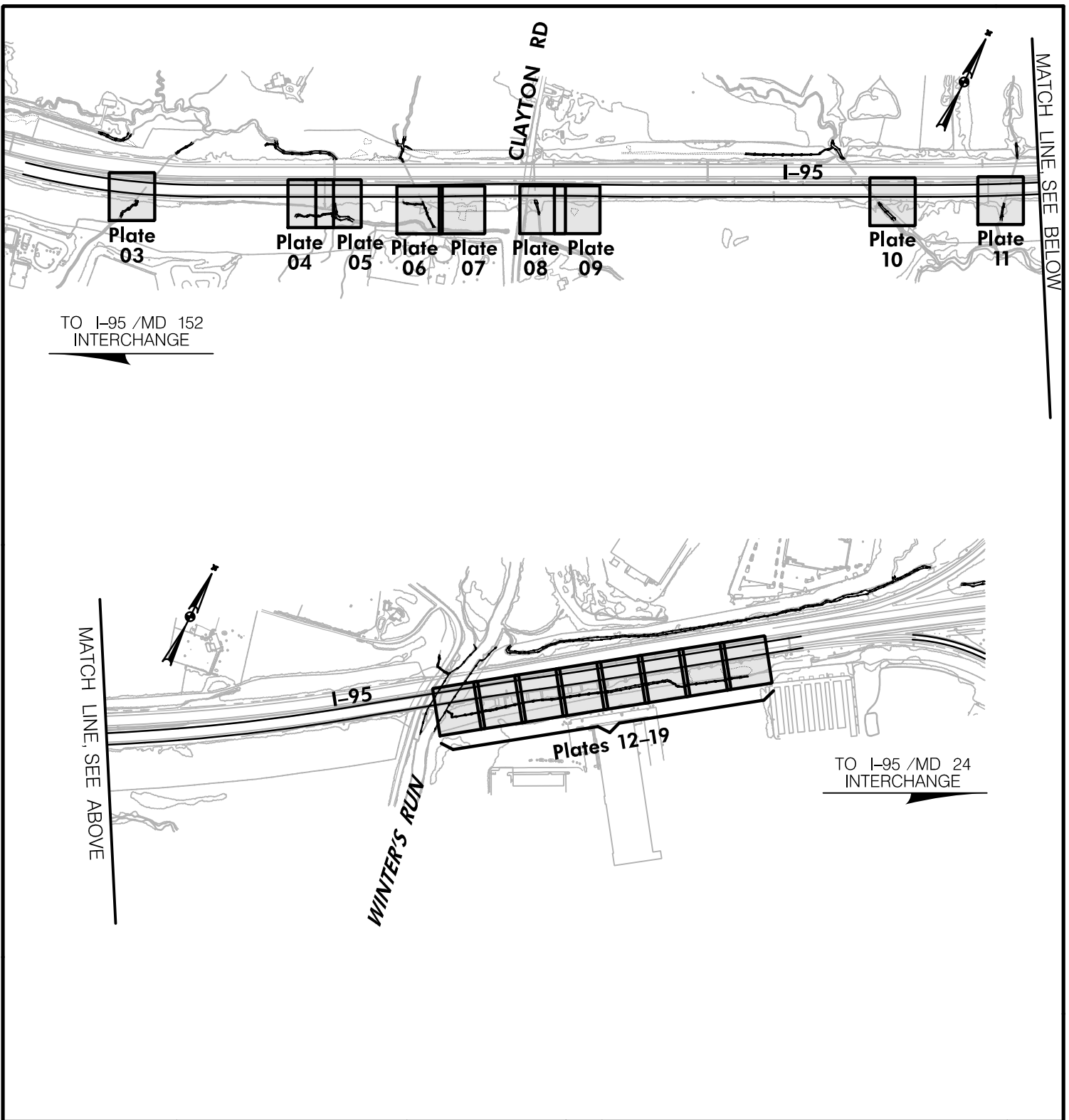
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 27 OF 27



**TOTAL IMPACTS**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	6,840 SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	2,197 SF
PERENNIAL WUS	LF/SF	334 LF/2,289 SF
INTERMITTENT WUS	LF/SF	1,582 LF/9,317 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	20,376 SF
100-YEAR FLOODPLAIN	SF	60,464 SF

**WETLAND IMPACT KEY SHEET**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

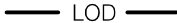


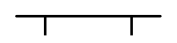







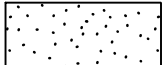

SCALE: 1"=700'


CONTRACT NO.: KH3010-0000

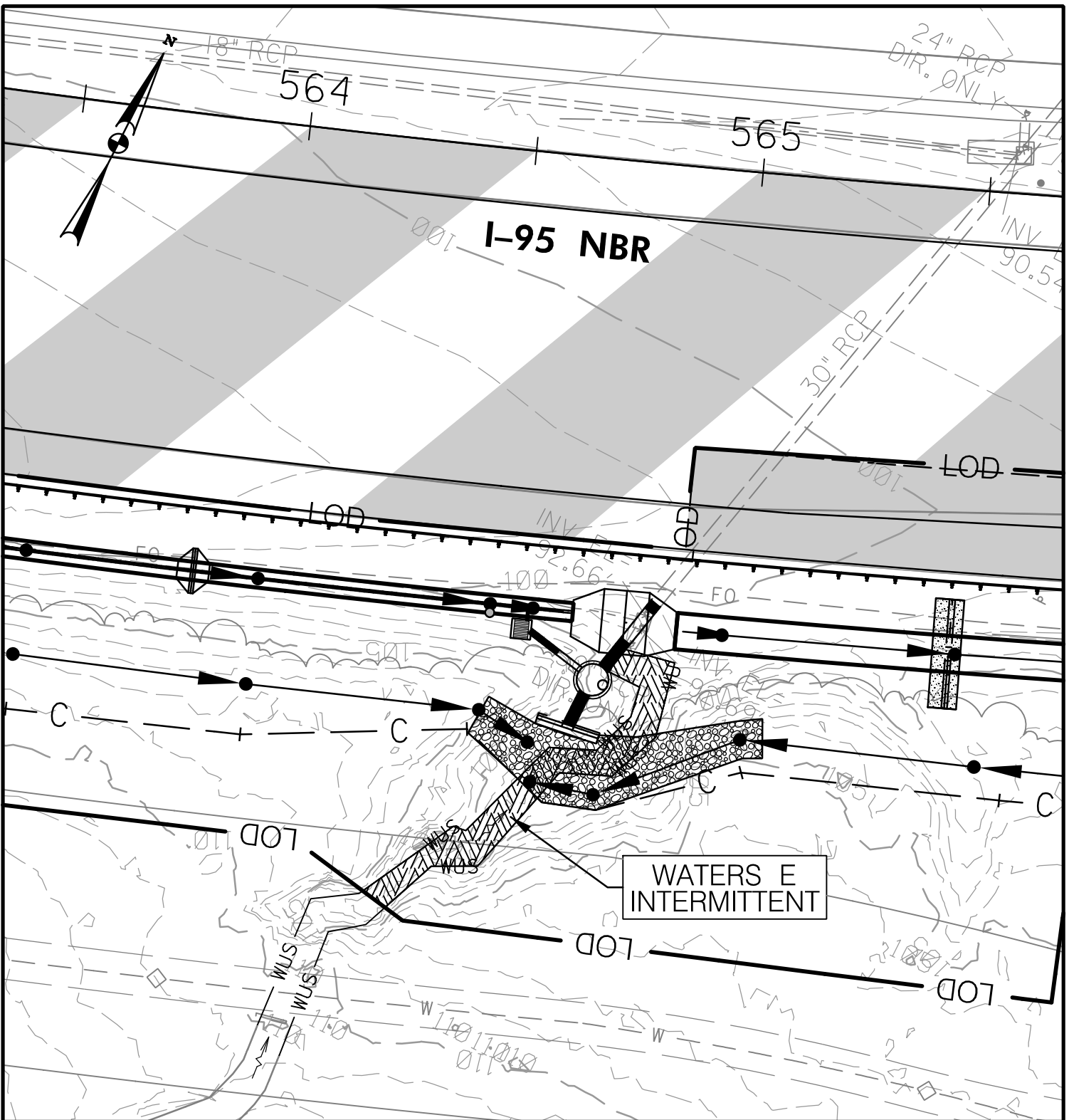
DATE: MAY 2018

PLATE 1 OF 19

## LEGEND

LIMIT OF DISTURBANCE	
PARKLAND BOUNDARY	
CRITICAL AREA BOUNDARY	
100-YEAR FLOODPLAIN	
WUS BOUNDARY	
WETLAND BOUNDARY	
WETLAND BUFFER BOUNDARY	
WUS IMPACT TEMPORARY	
WUS IMPACT PERMANENT	
WETLAND IMPACT TEMPORARY	
WETLAND IMPACT PERMANENT	
WETLAND BUFFER IMPACT TEMPORARY	
WETLAND BUFFER IMPACT PERMAMENT	

<b>WETLAND IMPACT LEGEND</b>	
I-95 ETL NORTHBOUND EXTENSION MD 152 TO MD 24 JOHN F. KENNEDY MEMORIAL HIGHWAY HARFORD COUNTY, MARYLAND	
	<b>MARYLAND TRANSPORTATION AUTHORITY</b>
SCALE: <u>NONE</u>	CONTRACT NO.: <u>KH3010-0000</u>
DATE: <u>MAY 2018</u>	PLATE <u>2</u> OF <u>19</u>



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	98 LF/602 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



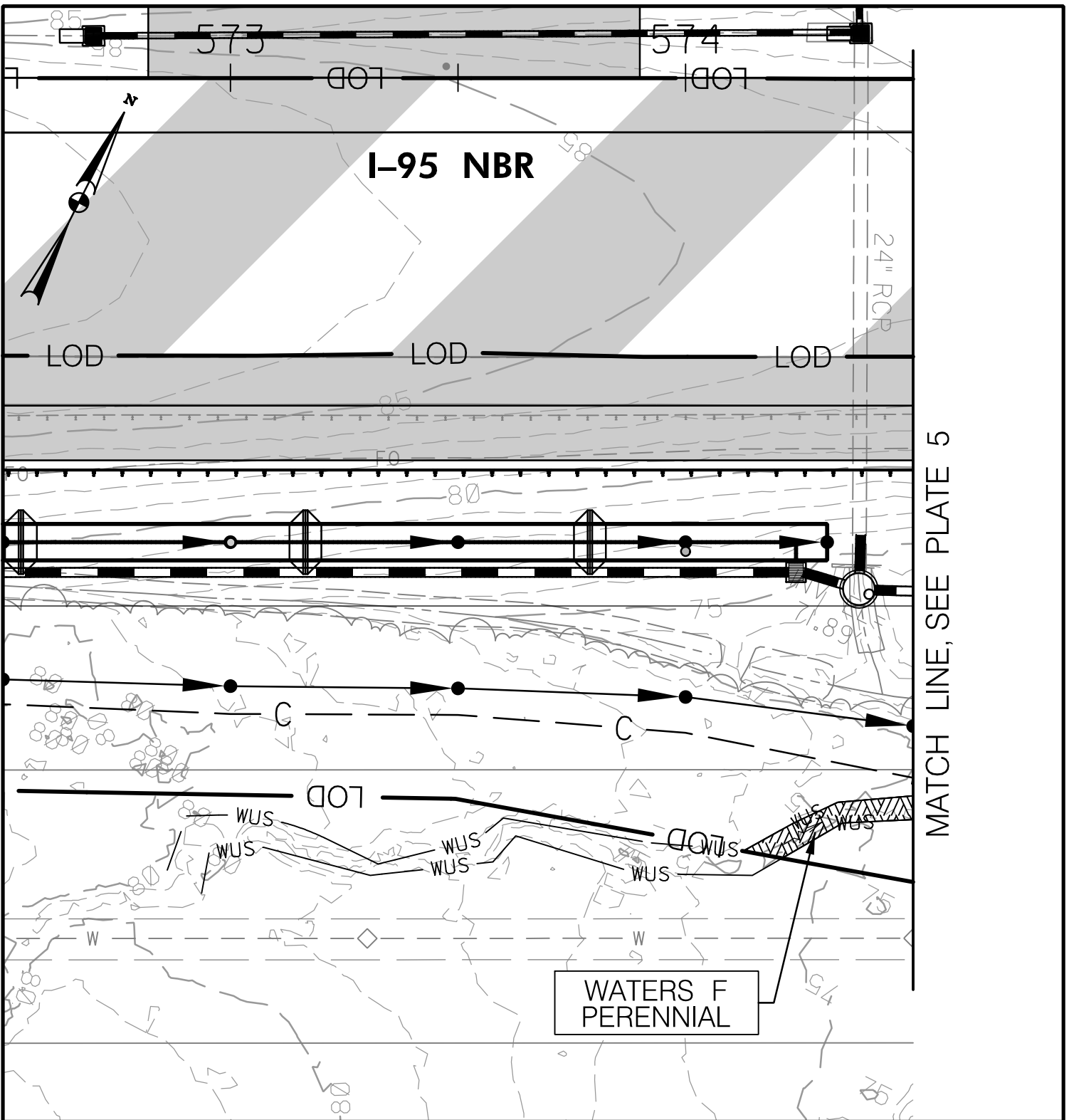
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 3 OF 19



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	35 LF/180 SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



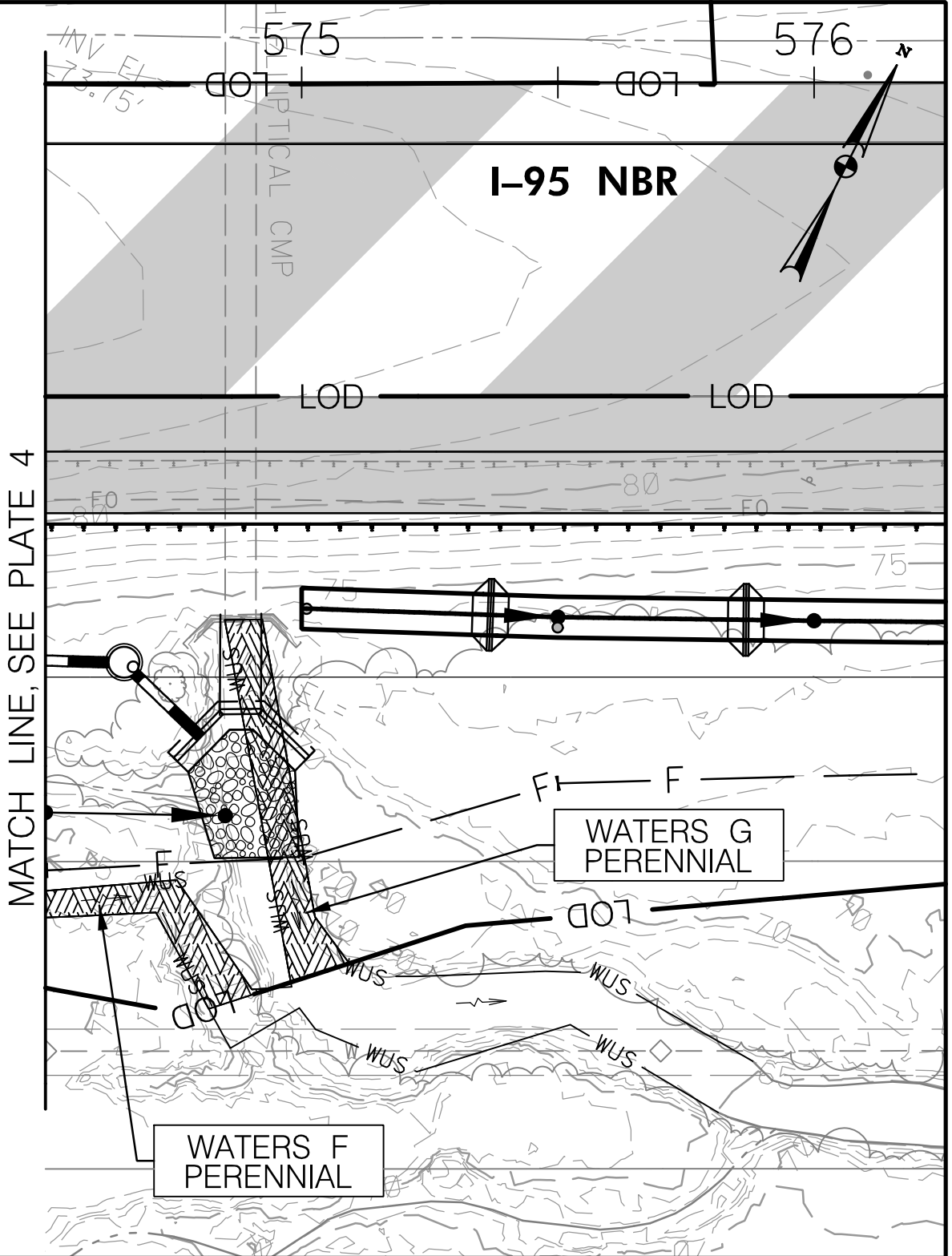
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 4 OF 19



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	119 LF/855 SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



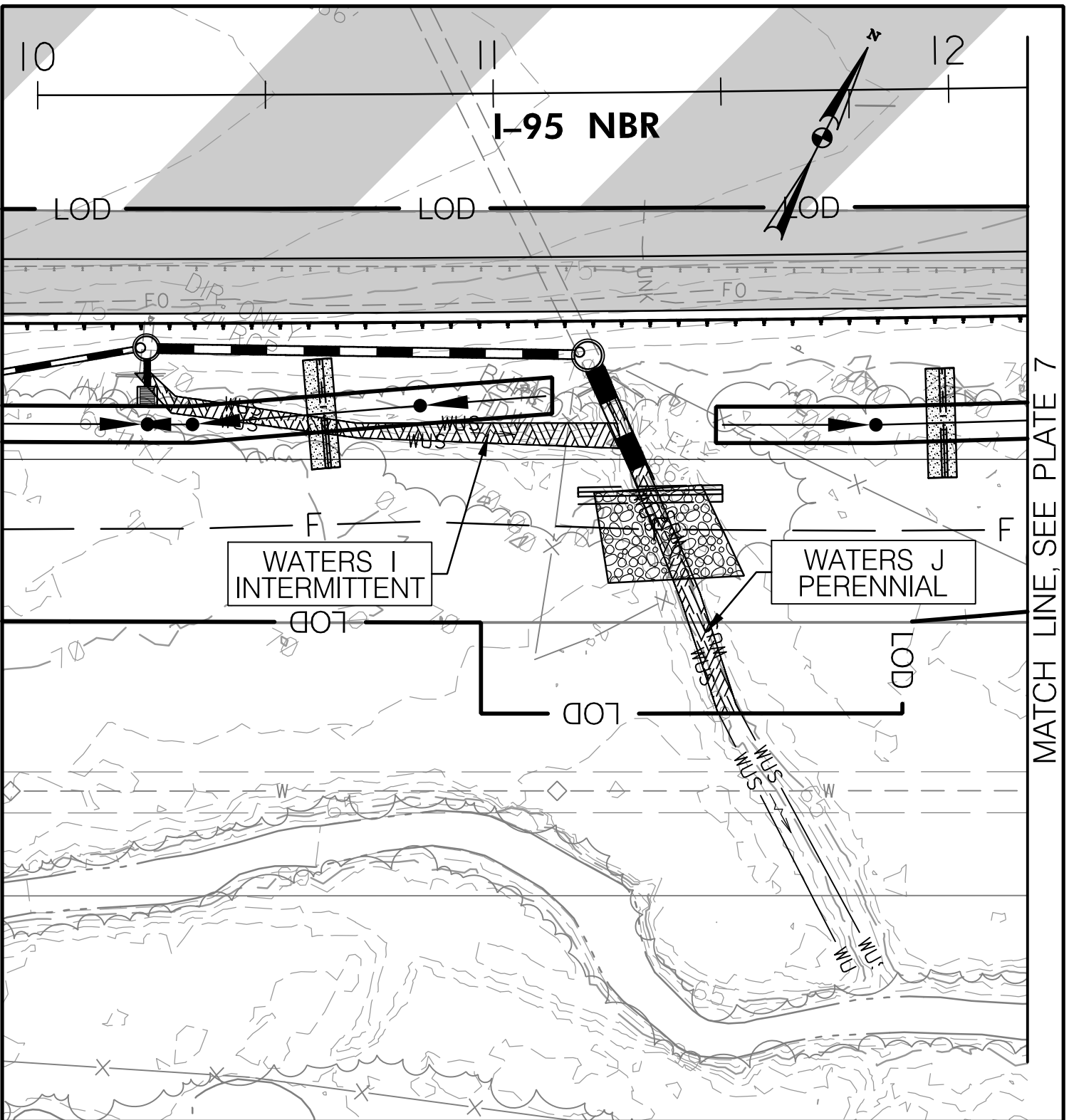
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 5 OF 19



MATCH LINE, SEE PLATE 7

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	81 LF/311 SF
INTERMITTENT WUS	LF/SF	108 LF/423 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

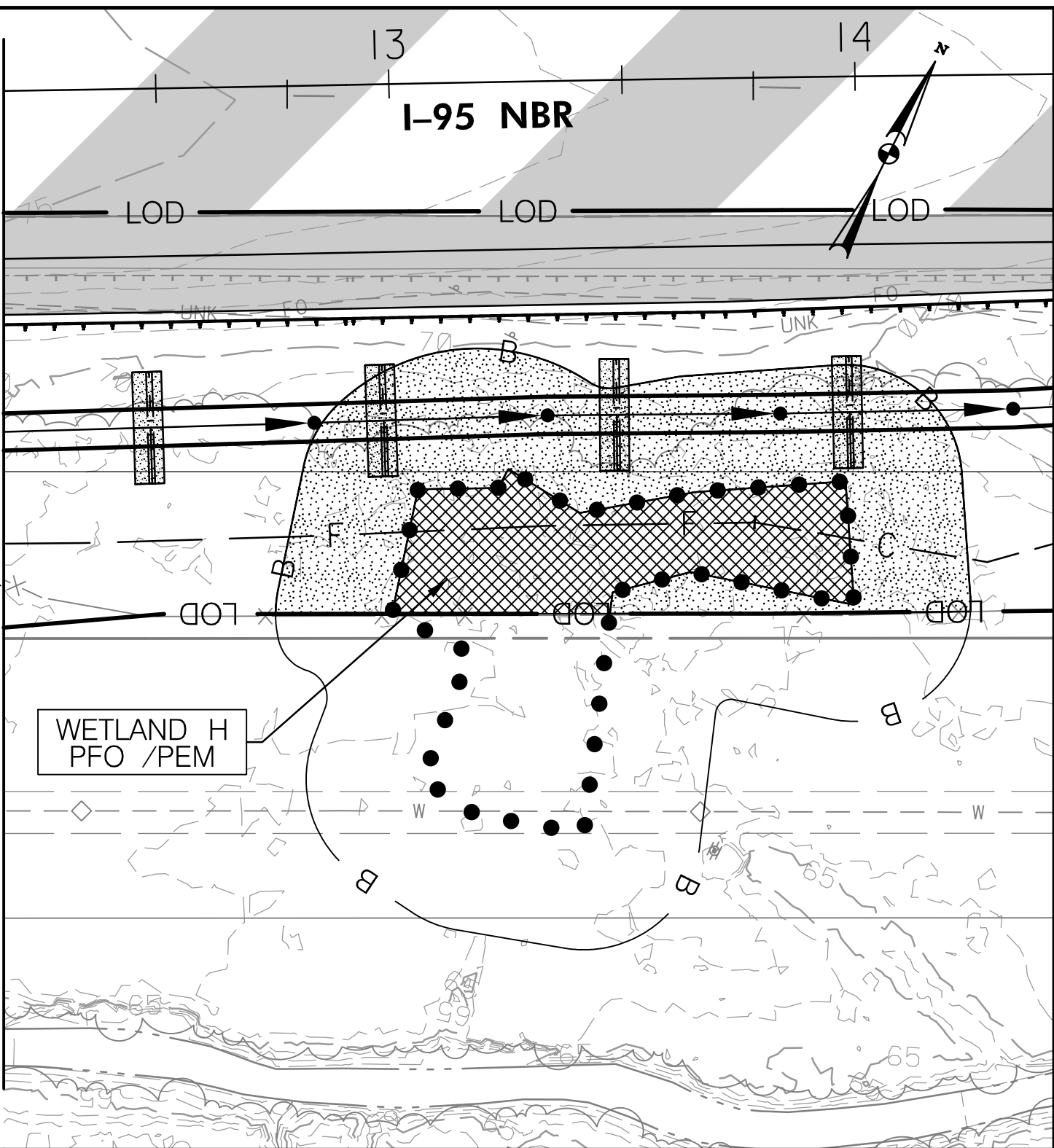
PLATE 6 OF 19



# I-95 NBR



MATCH LINE, SEE PLATE 6



WETLAND H  
PFO /PEM

### IMPACTS ON THIS PLATE

	TEMPORARY		PERMANENT	
		SF		SF
PFO WETLAND		SF		SF
PSS WETLAND		SF		SF
PEM WETLAND		SF		SF
PFO/PEM WETLAND		SF	2,197	SF
PERENNIAL WUS	LF/SF		LF/SF	
INTERMITTENT WUS	LF/SF		LF/SF	
EPHEMERAL WUS	LF/SF		LF/SF	
WETLAND BUFFER		SF	5,135	SF
100-YEAR FLOODPLAIN		SF		SF

### WETLAND IMPACT PLATE

I-95 ETL NORTHBOUND EXTENSION  
MD 152 TO MD 24  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
HARFORD COUNTY, MARYLAND



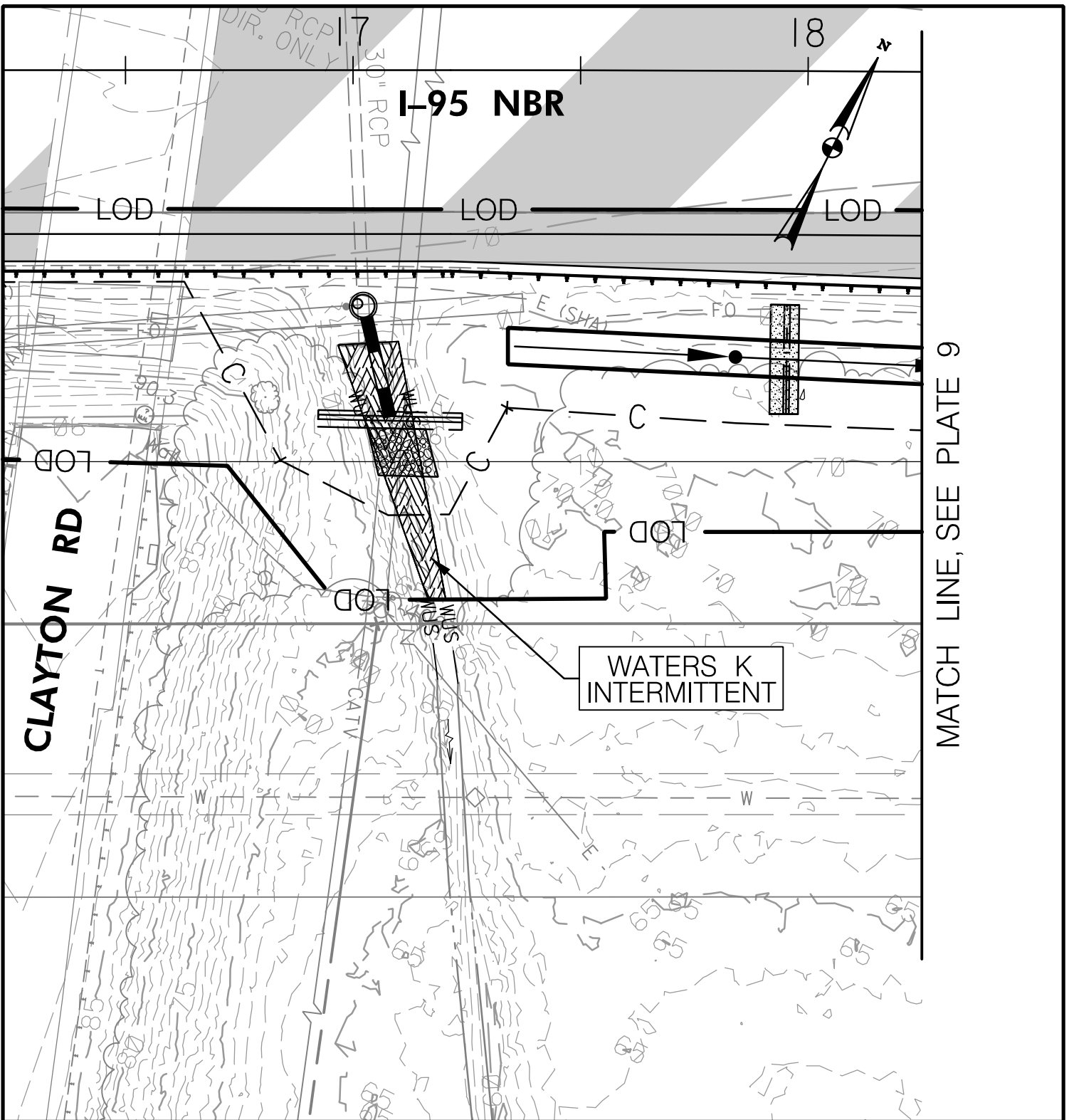
**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 7 OF 19



MATCH LINE, SEE PLATE 9

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	58 LF/487 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



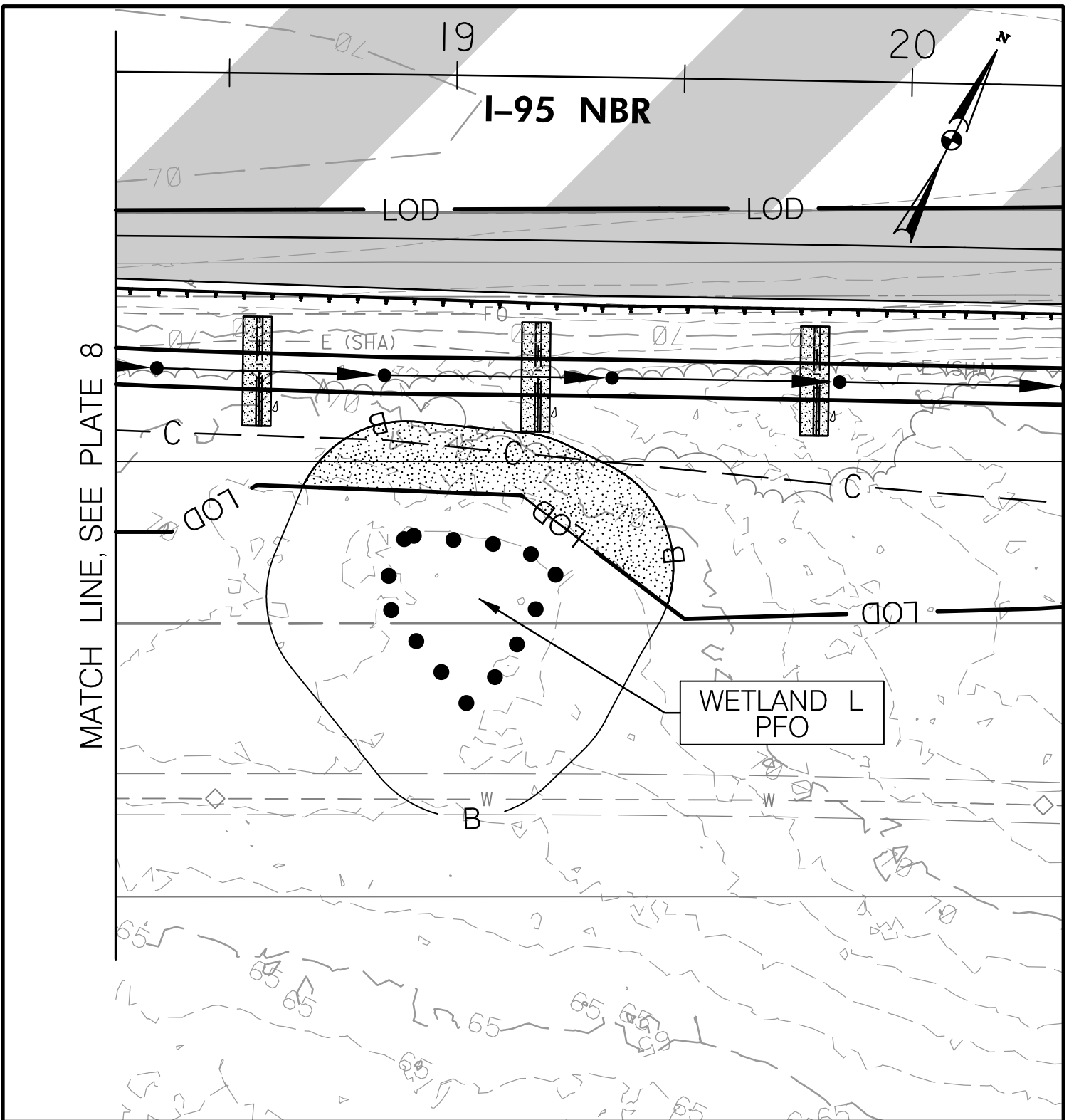
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 8 OF 19



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	1,247 SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
MD 152 TO MD 24  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
HARFORD COUNTY, MARYLAND



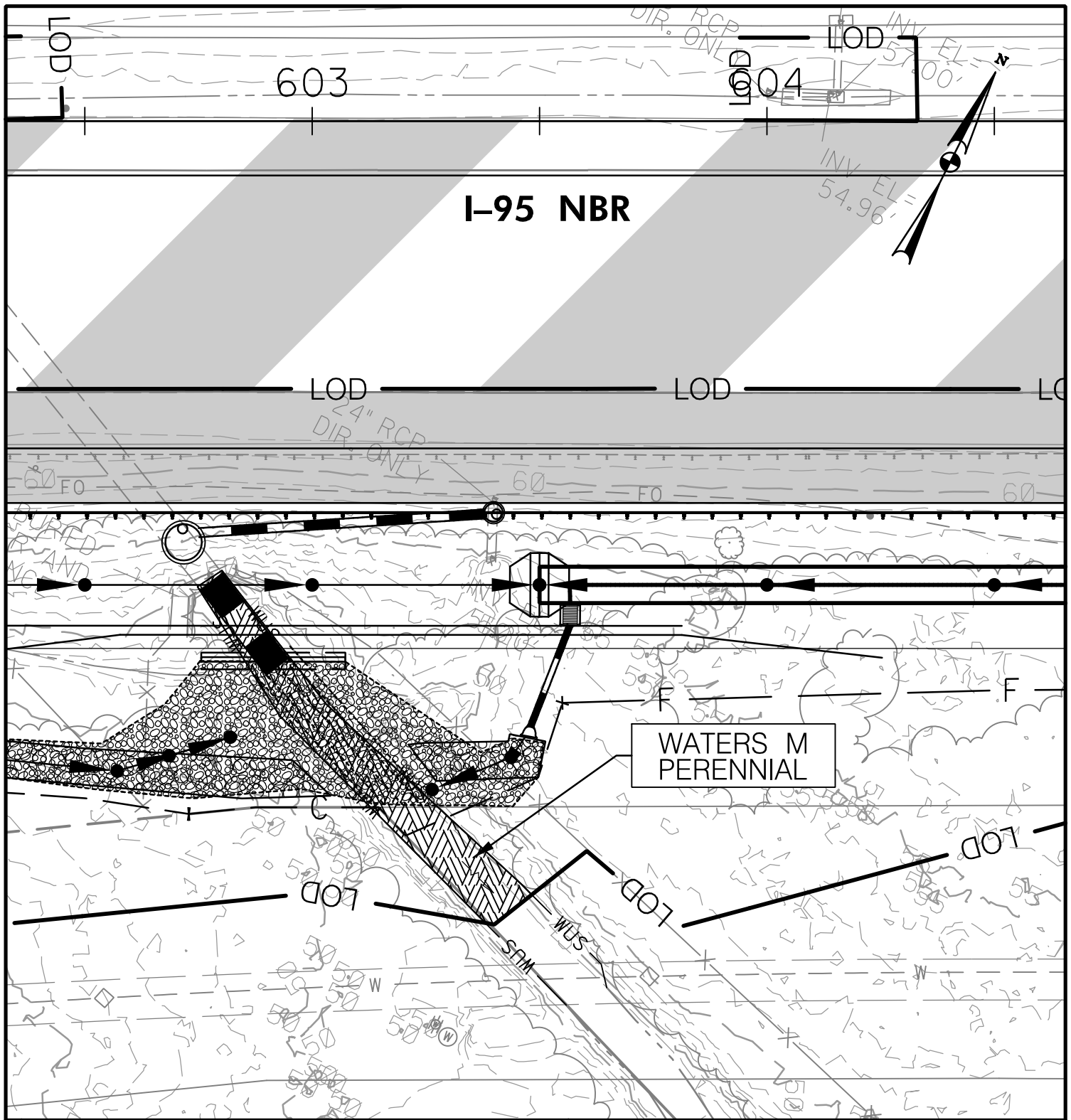
**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 9 OF 19



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	99 LF/943 SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



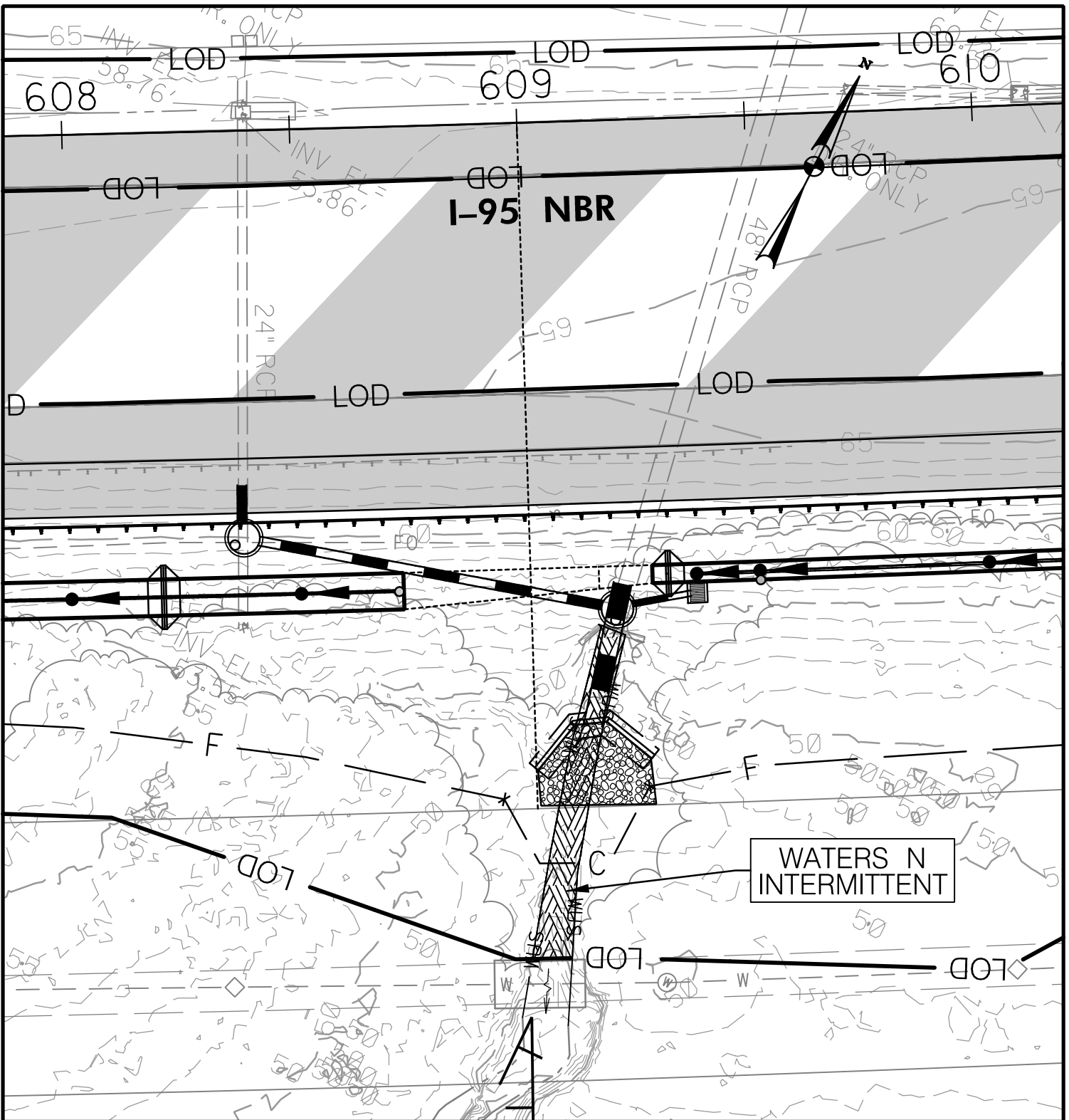
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 10 OF 19



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
	SF	LF/SF	SF	LF/SF
PFO WETLAND	SF		SF	
PSS WETLAND	SF		SF	
PEM WETLAND	SF		SF	
PFO/PEM WETLAND	SF		SF	
PERENNIAL WUS	LF/SF		LF/SF	
INTERMITTENT WUS	LF/SF		73 LF/477 SF	
EPHEMERAL WUS	LF/SF		LF/SF	
WETLAND BUFFER	SF		SF	
100-YEAR FLOODPLAIN	SF		SF	

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



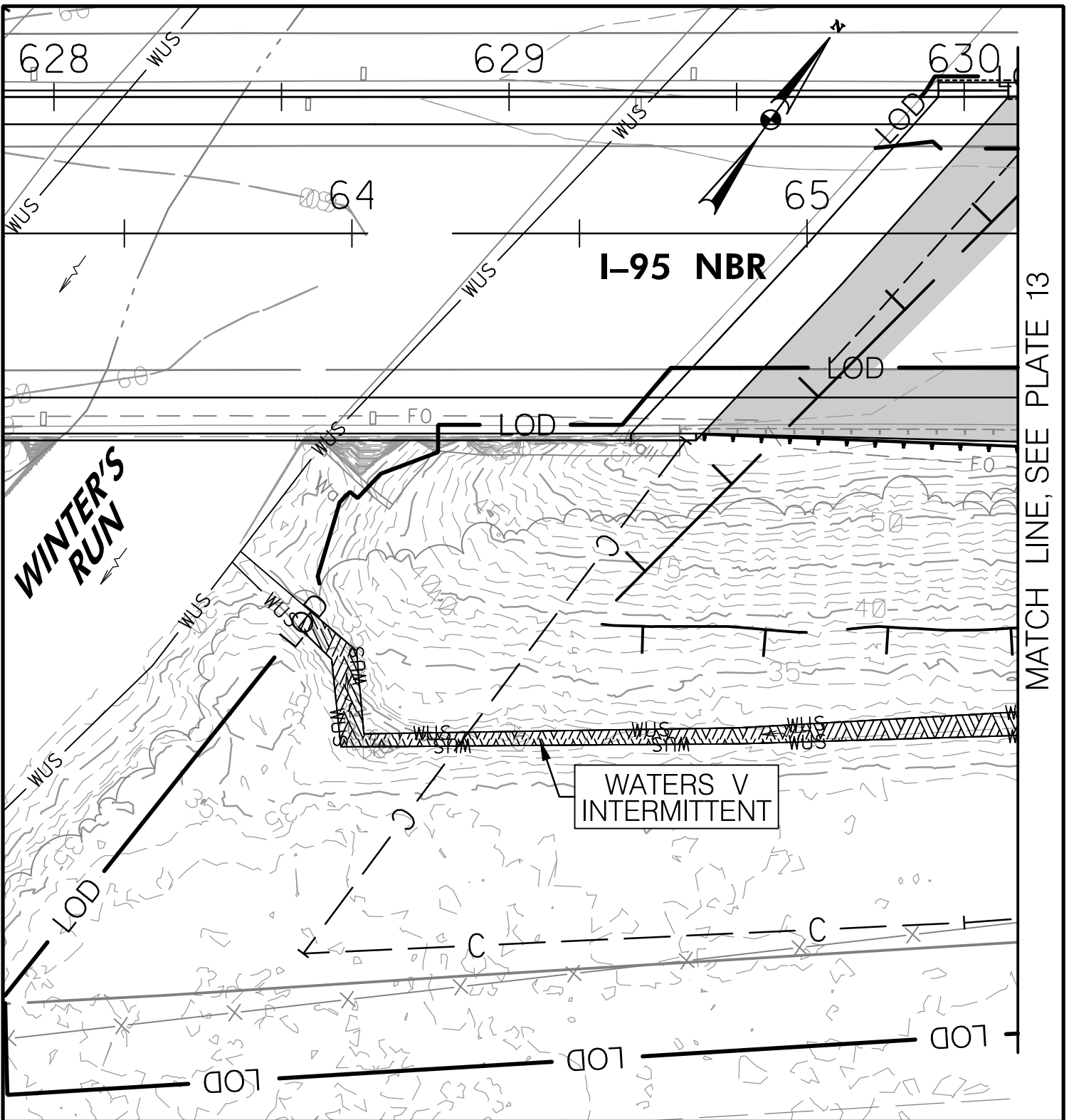
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE II OF 19



MATCH LINE, SEE PLATE 13

**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	SF
INTERMITTENT WUS	LF/SF	177 LF/690 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	22,495 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

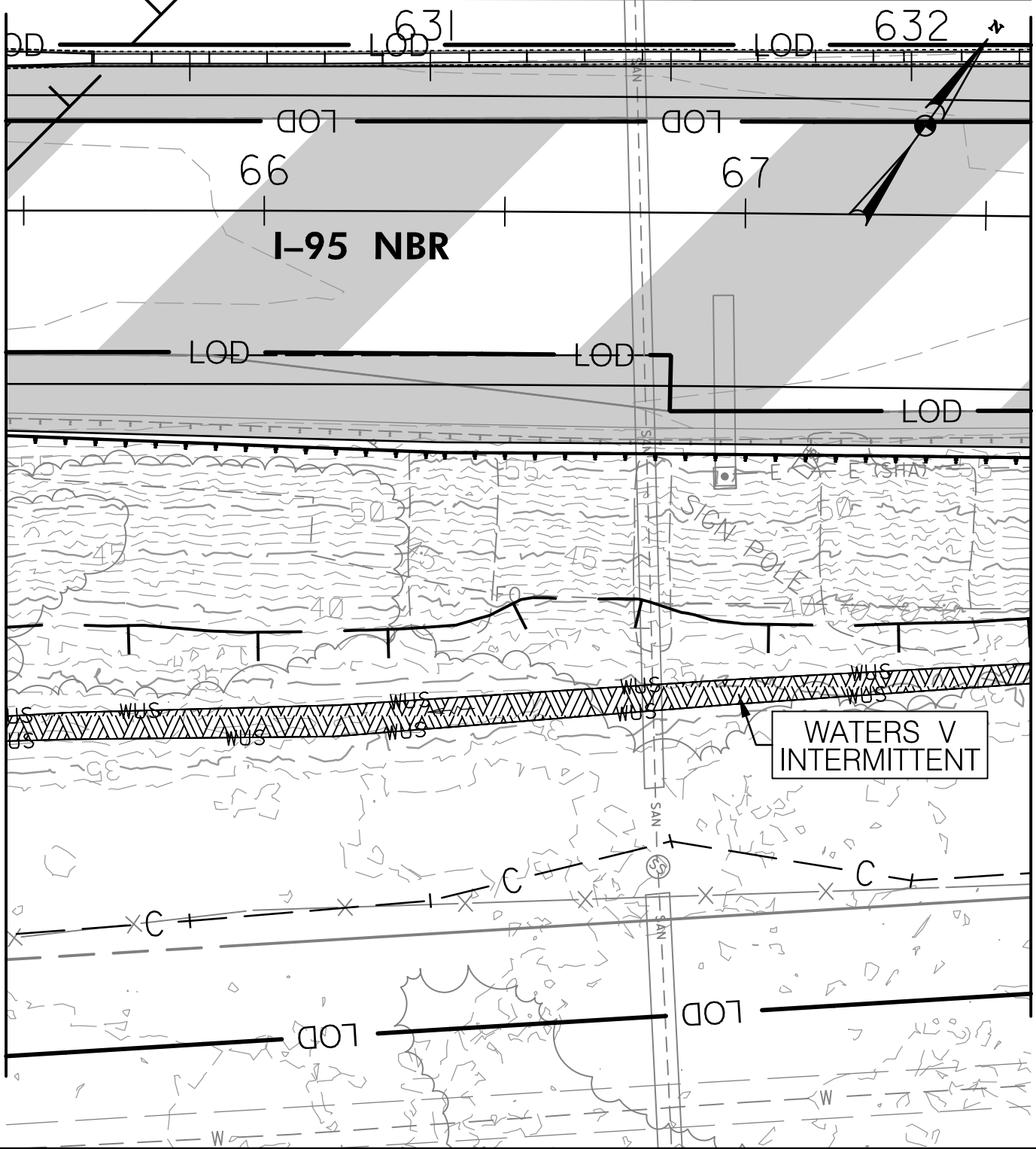
CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 12 OF 19

MATCH LINE, SEE PLATE 12

MATCH LINE, SEE PLATE 14



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	213 LF/1,173 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	17,875 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

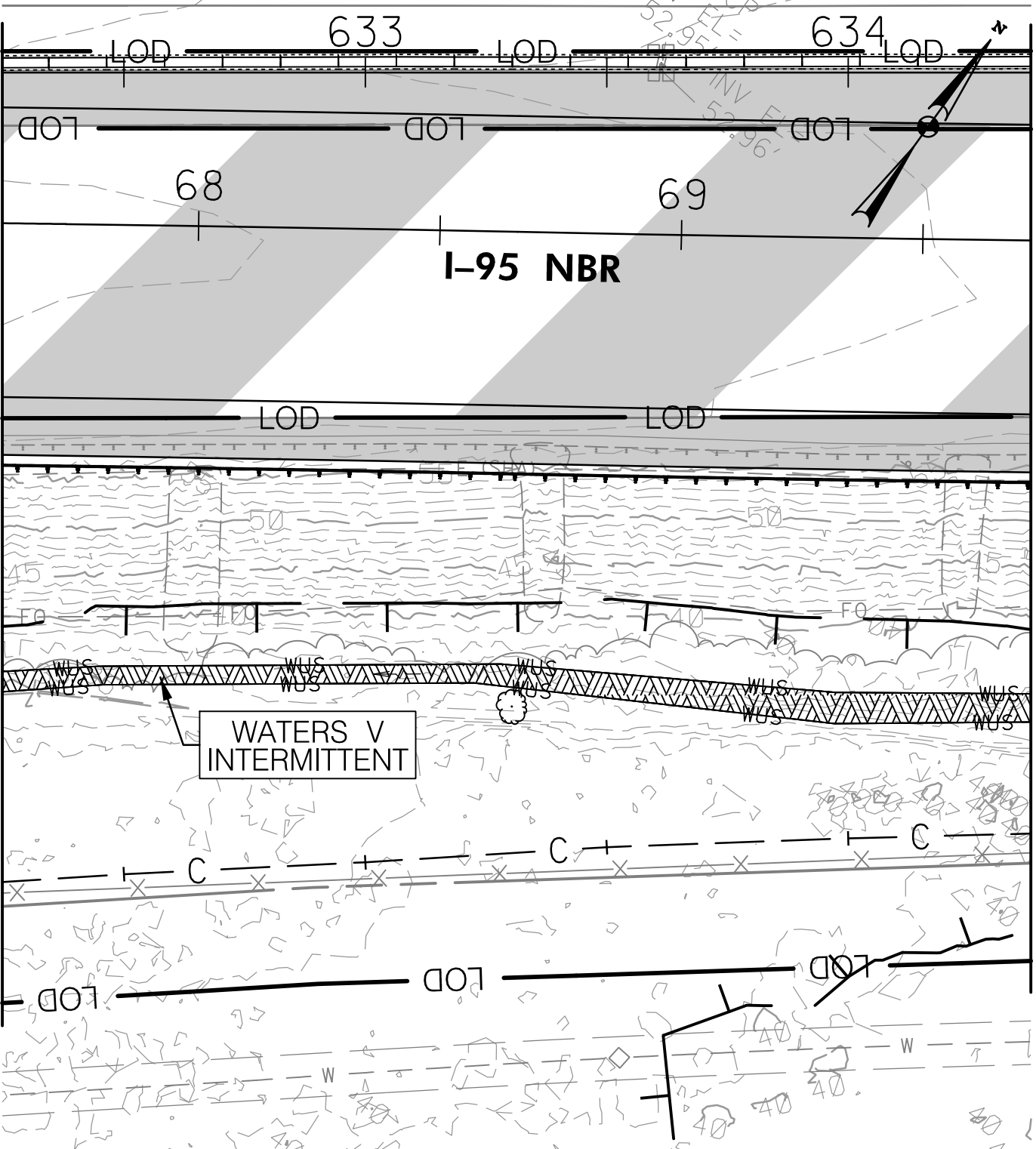
CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 13 OF 19

MATCH LINE, SEE PLATE 13

MATCH LINE, SEE PLATE 15



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	213 LF/1,035 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	16,168 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

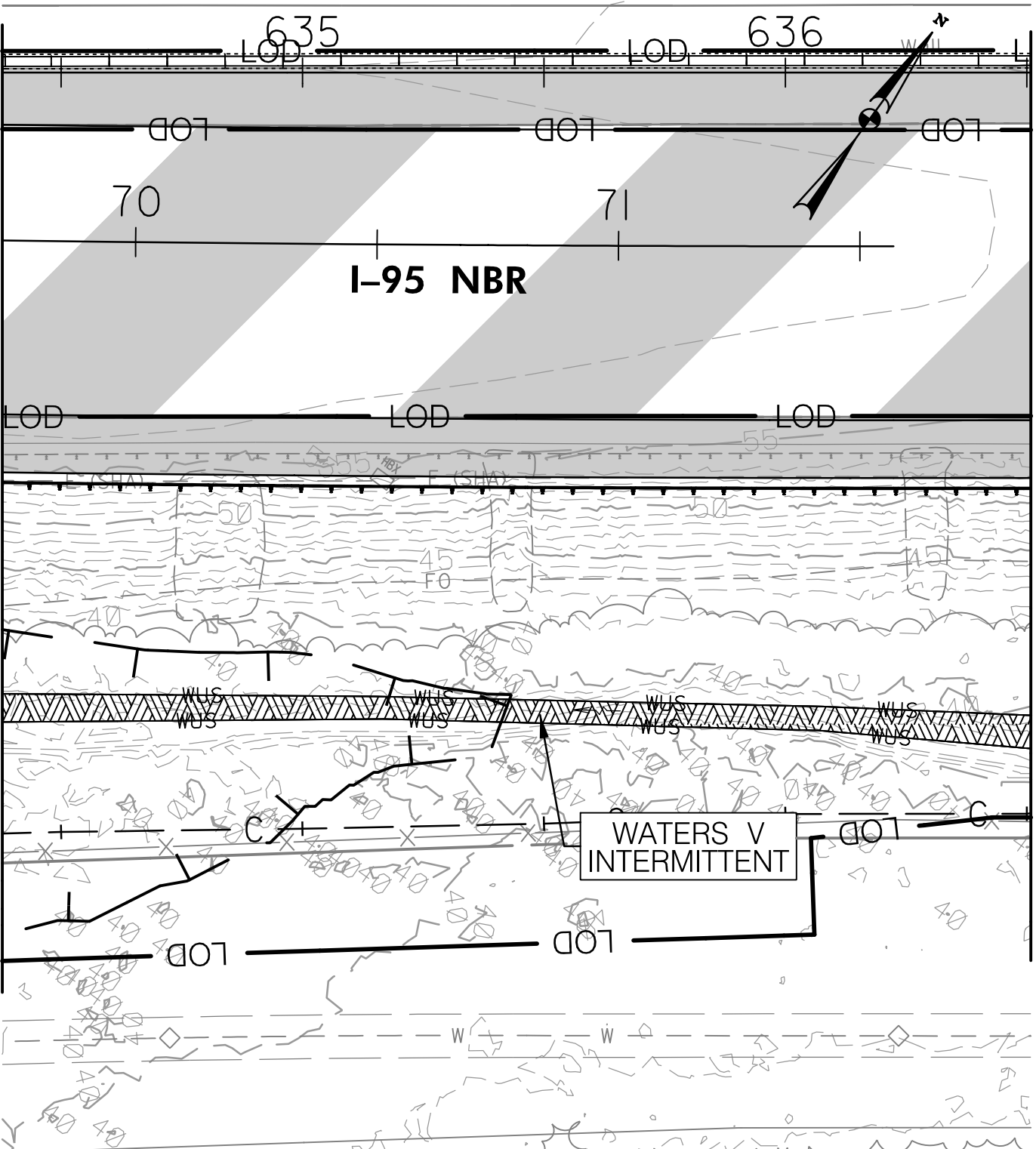
DATE: MAY 2018

PLATE 14 OF 19



MATCH LINE, SEE PLATE 14

MATCH LINE, SEE PLATE 16



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
		SF		SF
PFO WETLAND		SF		SF
PSS WETLAND		SF		SF
PEM WETLAND		SF		SF
PFO/PEM WETLAND		SF		SF
PERENNIAL WUS		LF/SF		LF/SF
INTERMITTENT WUS		LF/SF	213 LF/1,110 SF	
EPHEMERAL WUS		LF/SF		LF/SF
WETLAND BUFFER		SF		SF
100-YEAR FLOODPLAIN		SF		3,926 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

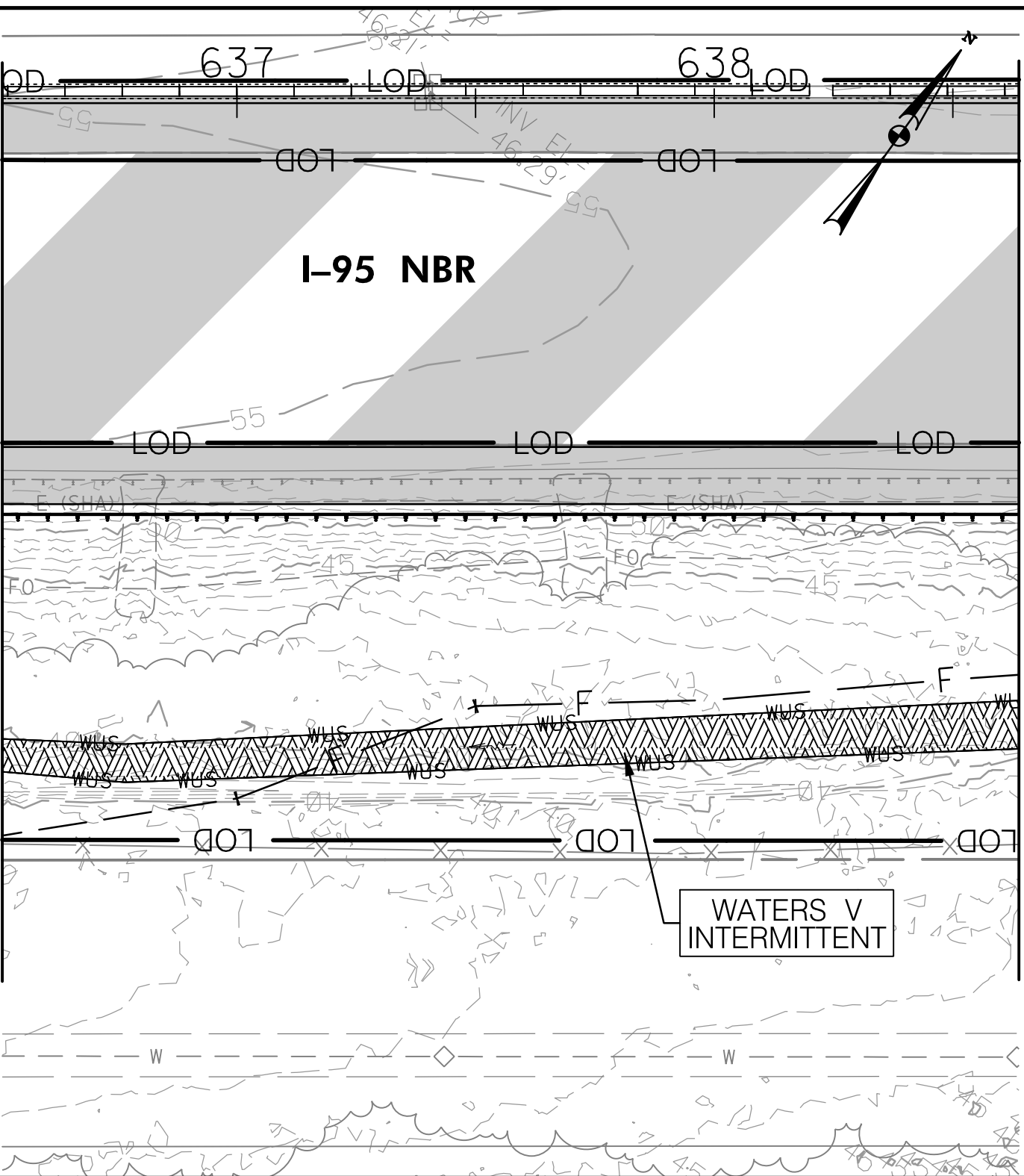
DATE: MAY 2018

PLATE 15 OF 19

FILE: \\balsrv01\2014\2014\4006\_MDTAAE2795\Task 41 - I-95 Widening MD 152 to MD 24\Nat.Env\Impact Plates\WT-015.195.dgn  
 DATE: Thursday, May 10, 2018 AT 11:50 AM

MATCH LINE, SEE PLATE 15

MATCH LINE, SEE PLATE 17



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	213 LF/1,891 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

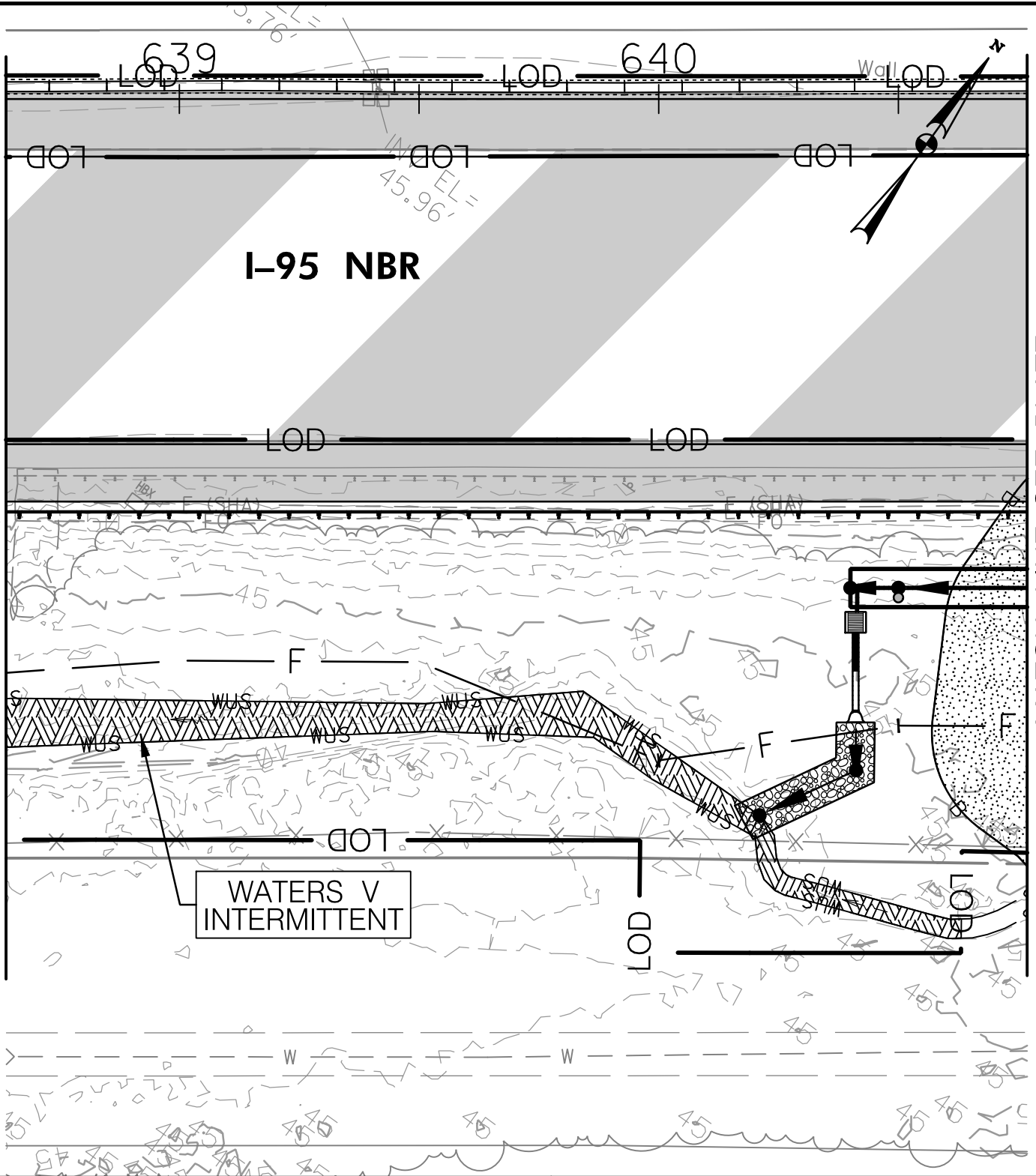
CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 16 OF 19

MATCH LINE, SEE PLATE 16

MATCH LINE, SEE PLATE 18



	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	216 LF/1,429 SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	1,113 SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



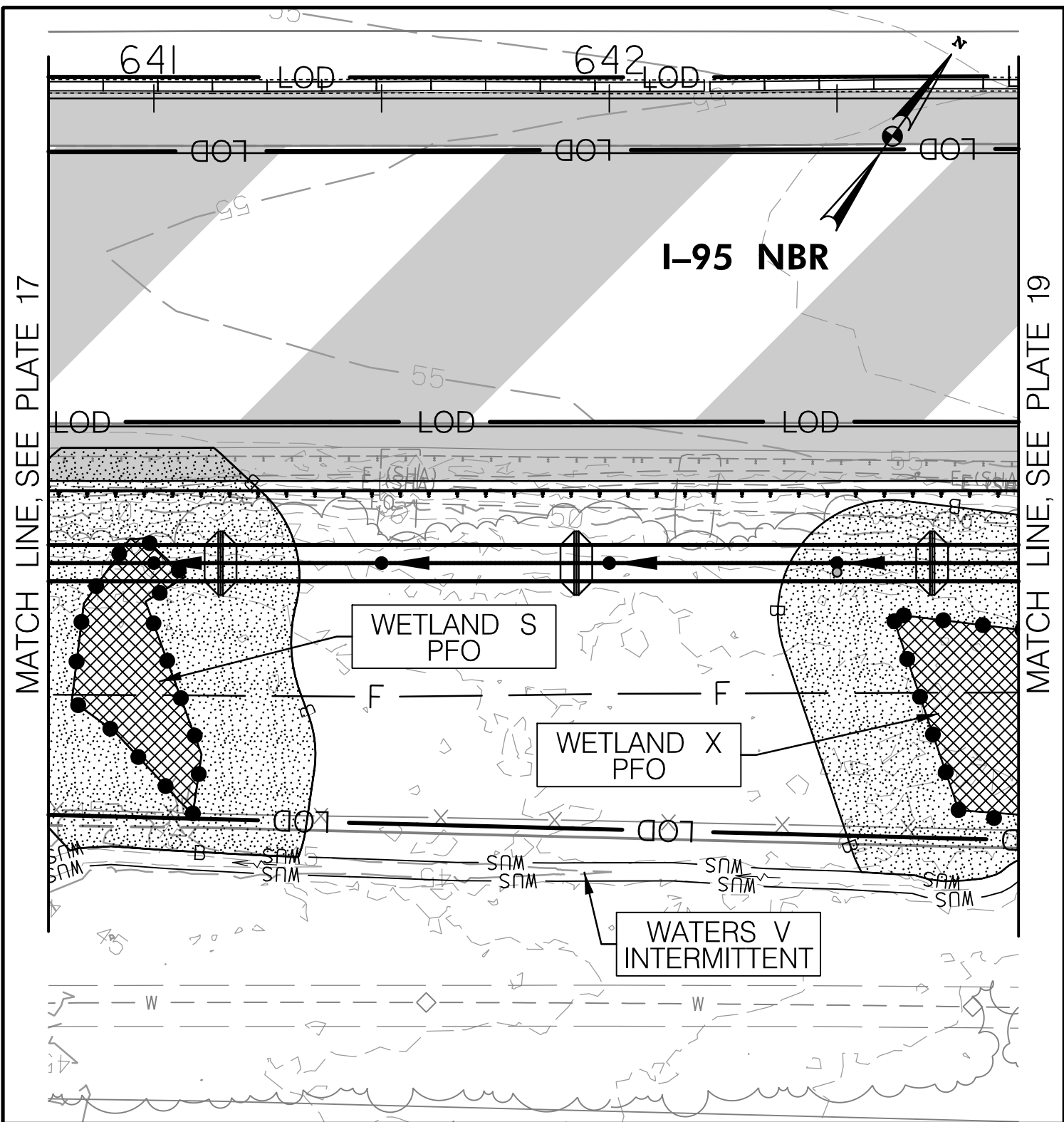
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 17 OF 19



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	1,741 SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	6,690 SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 30'

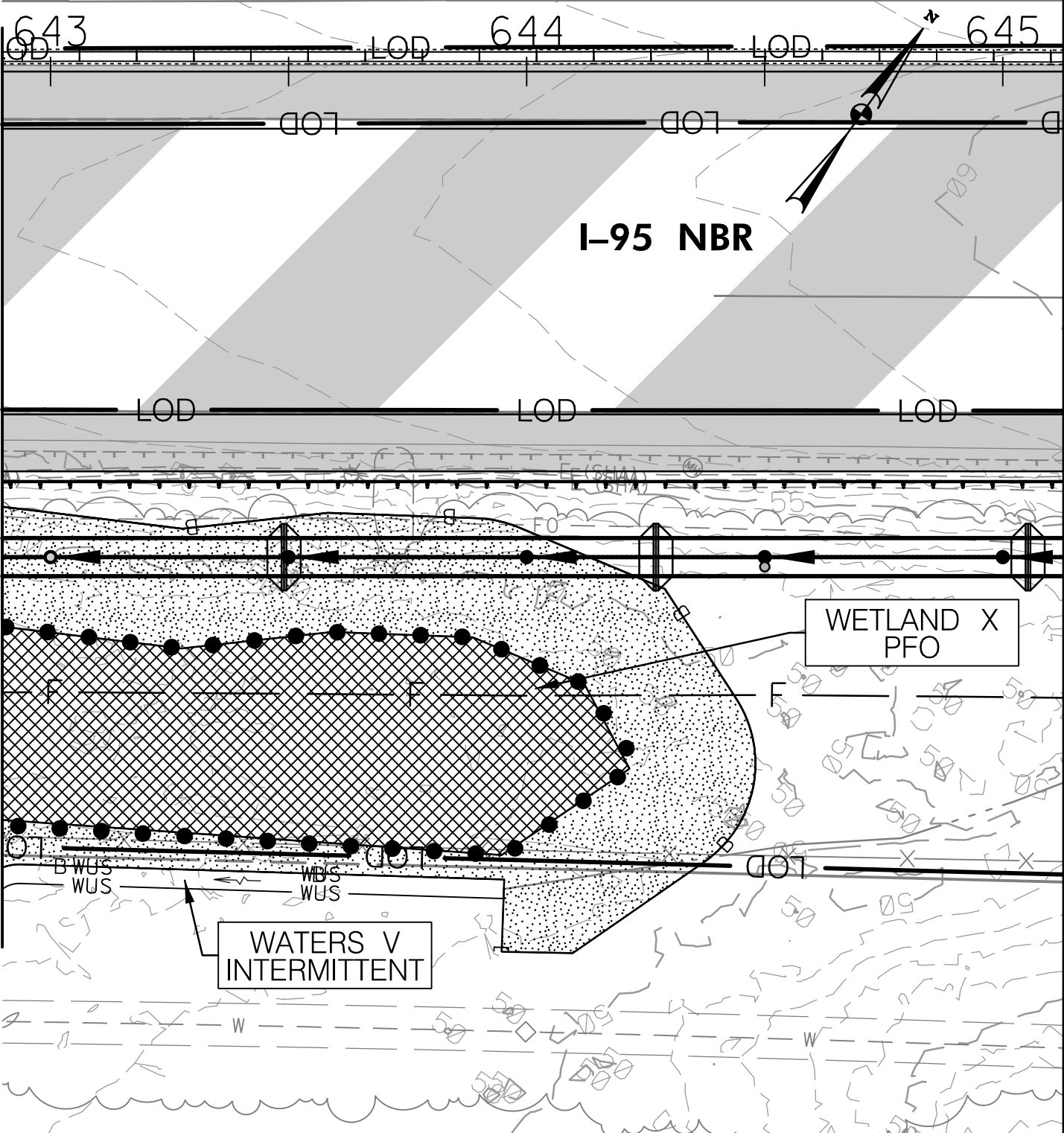
CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 18 OF 19

FILE: \\balsrv01\2014\2014\4006\_MDTAAE2795\Task 41 - I-95 Widening MD 152 to MD 24\Nat.Env\Impact Plates\WT-018.195.dgn  
 DATE: Thursday, May 10, 2018 AT 11:50 AM

MATCH LINE, SEE PLATE 18



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	5,099 SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PFO/PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	6,191 SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 152 TO MD 24  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

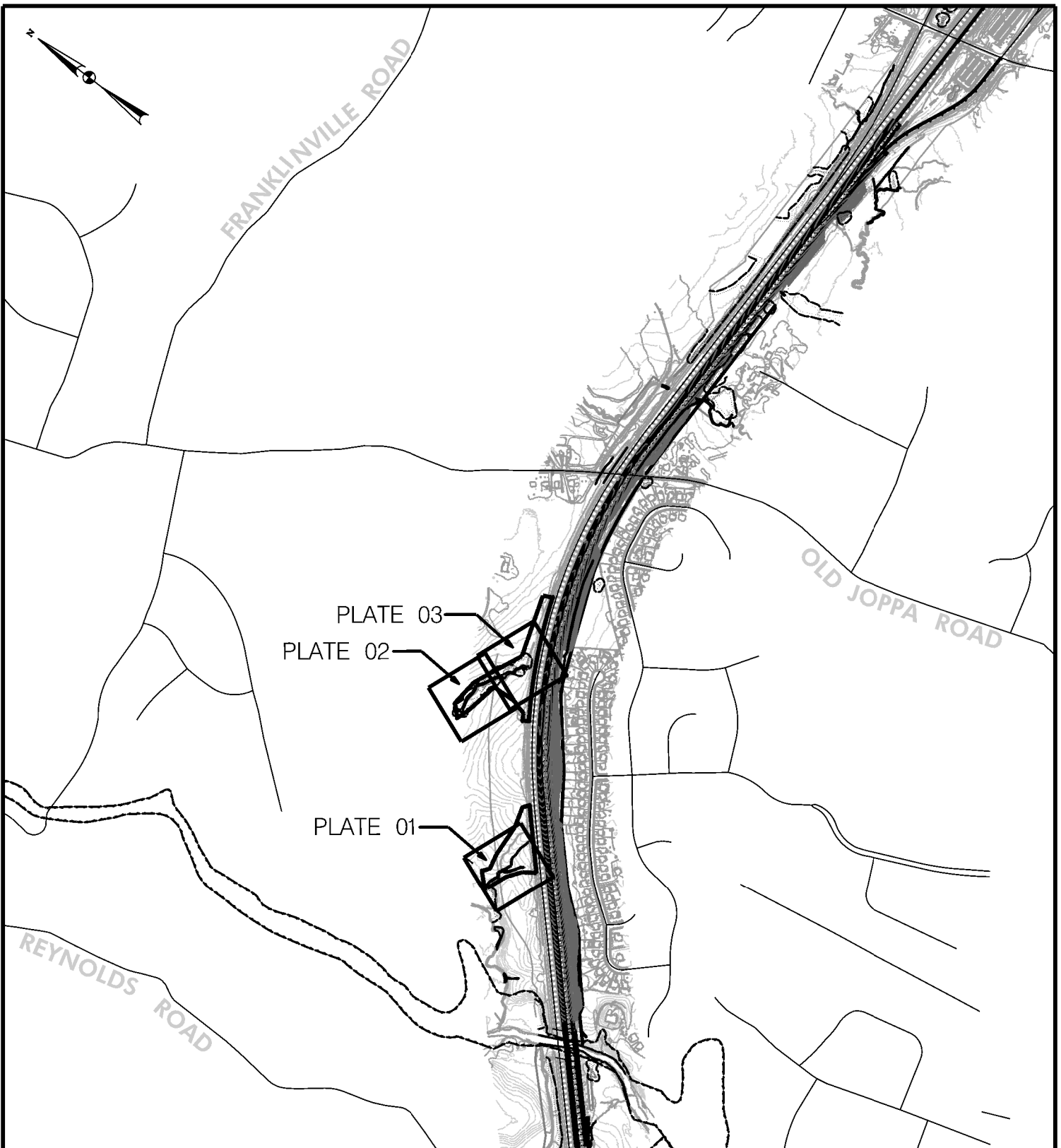
SCALE: 1" = 30'

CONTRACT NO.: KH3010-0000

DATE: MAY 2018

PLATE 19 OF 19

FILE: \\balsrv01\2014\2014\4006\_MDTAAE2795\Task 41 - I-95 Widening MD 152 to MD 24\Nat.Env\Impact Plates\WT-019.195.dgn  
 DATE: Thursday, May 10, 2018 AT 11:50 AM



REYNOLDS ROAD

FRANKLINVILLE ROAD

OLD JOPPA ROAD

PLATE 03  
PLATE 02

PLATE 01

**IMPACT PLATE KEYMAP**

**I-95 ETL NORTHBOUND EXTENSION  
ONSITE MITIGATION PLAN  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
HARFORD COUNTY, MARYLAND**



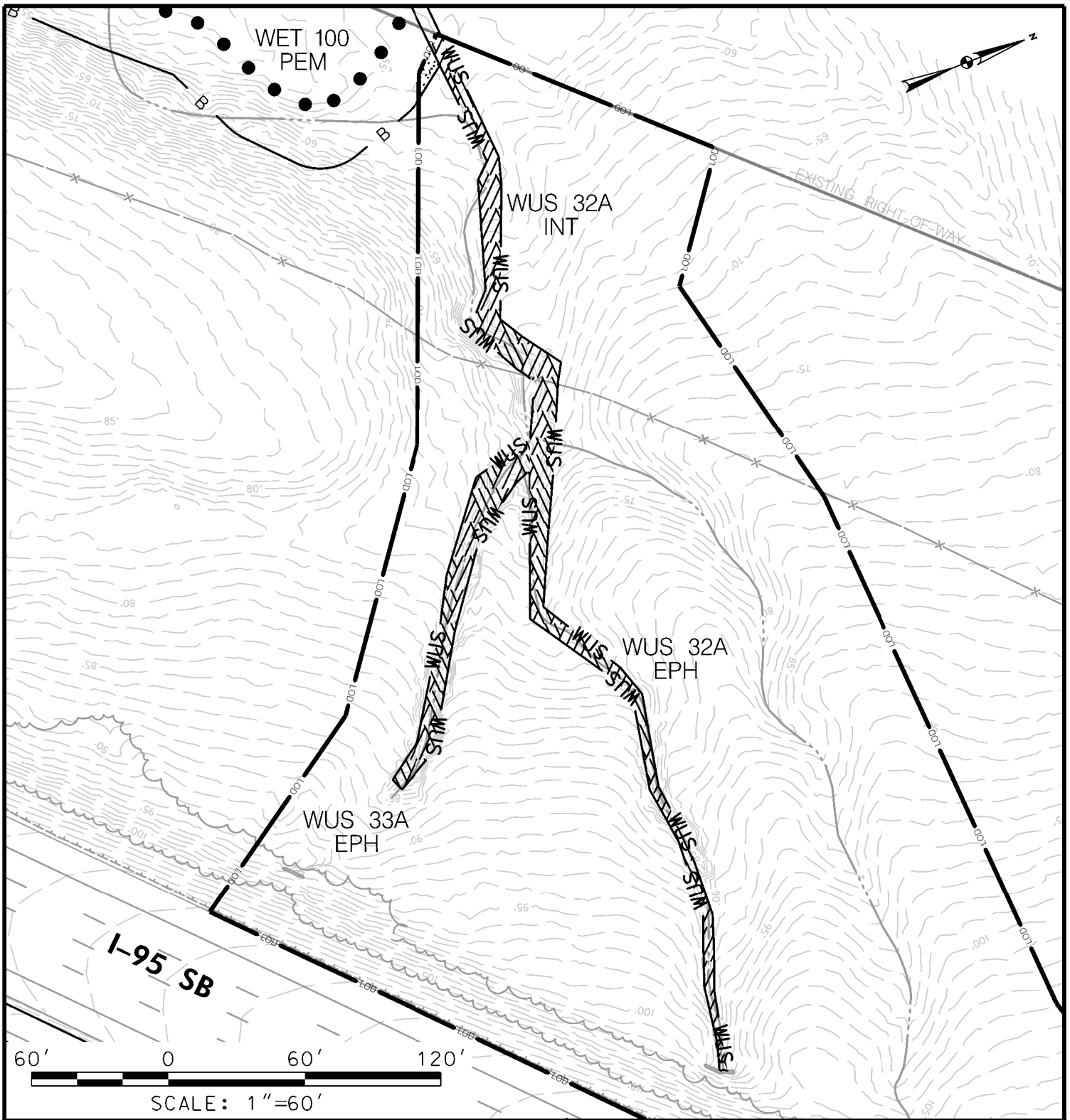
**MARYLAND  
TRANSPORTATION AUTHORITY**



SCALE: 1"=1000'

SCALE: 1" = 1000'

DATE: MAY 2018



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	0 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	192/1,711 LF/SF
EPHEMERAL WUS	0 LF/SF	551/3,149 LF/SF
WETLAND BUFFER	0 SF	97 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

**I-95 ETL NORTHBOUND EXTENSION  
ONSITE MITIGATION PLAN**  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND



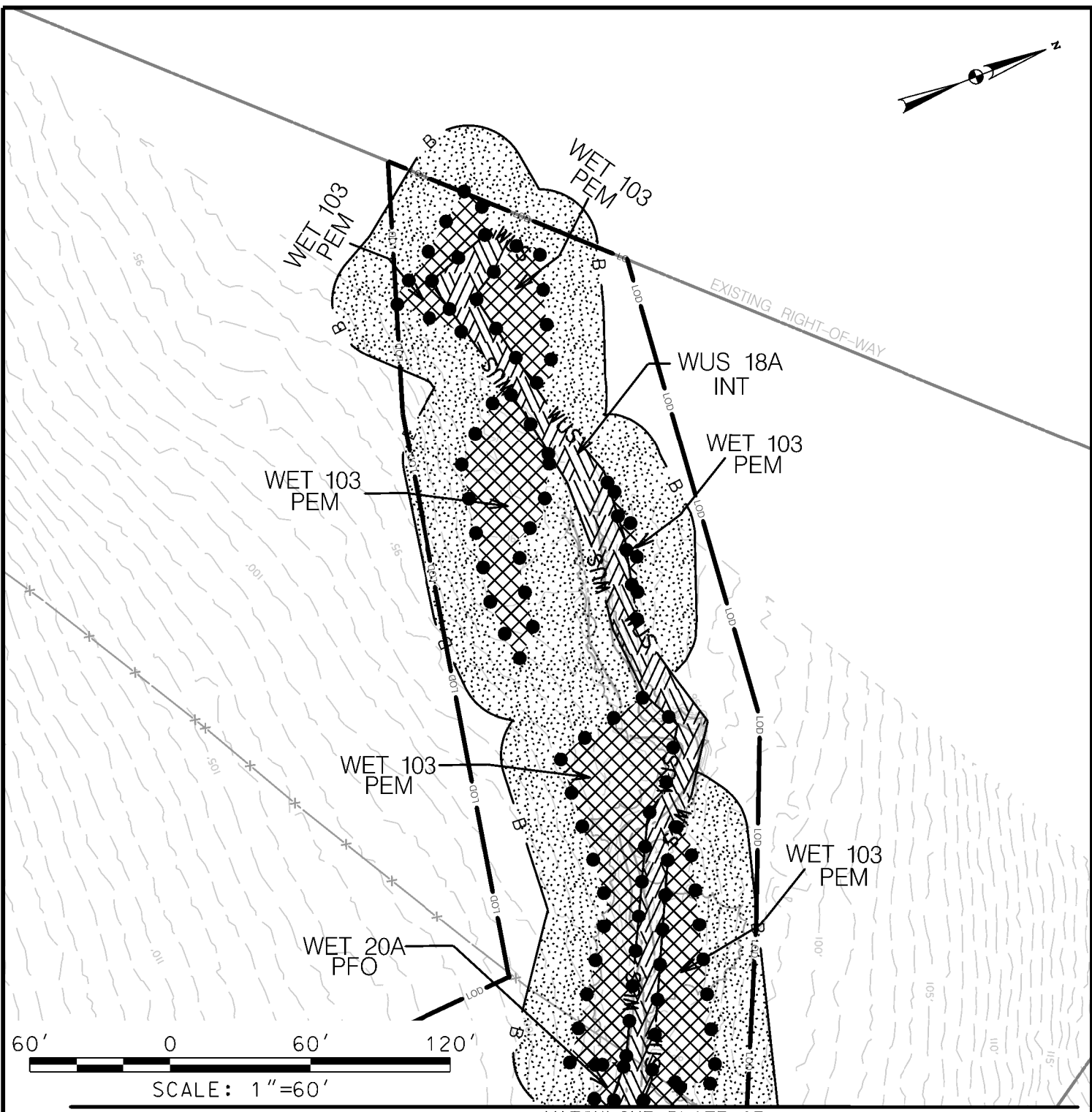
**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 1 OF 3



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	165 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	10,534 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	417/5,088 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	24,942 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
ONSITE MITIGATION PLAN  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND



**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

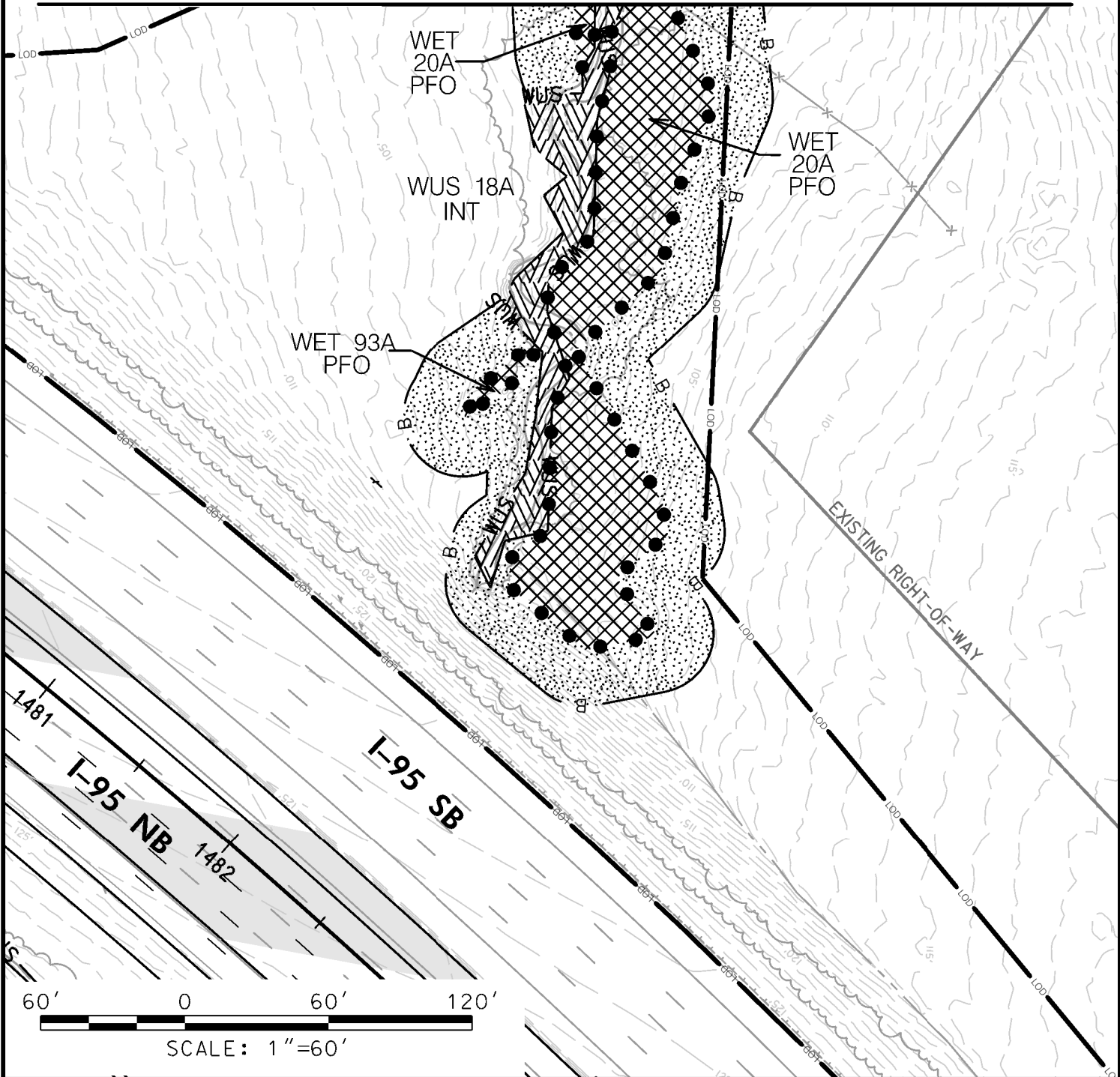
CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 02 OF 03



MATCHLINE PLATE 02



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	0 SF	9,799 SF
PSS WETLAND	0 SF	0 SF
PEM WETLAND	0 SF	0 SF
PERENNIAL WUS	0 LF/SF	0 LF/SF
INTERMITTENT WUS	0 LF/SF	264/3,396 LF/SF
EPHEMERAL WUS	0 LF/SF	0 LF/SF
WETLAND BUFFER	0 SF	14,805 SF
100-YEAR FLOODPLAIN	0 SF	0 SF

**WETLAND IMPACT PLATE**

**I-95 ETL NORTHBOUND EXTENSION  
ONSITE MITIGATION PLAN**  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
BALTIMORE & HARFORD COUNTIES, MARYLAND



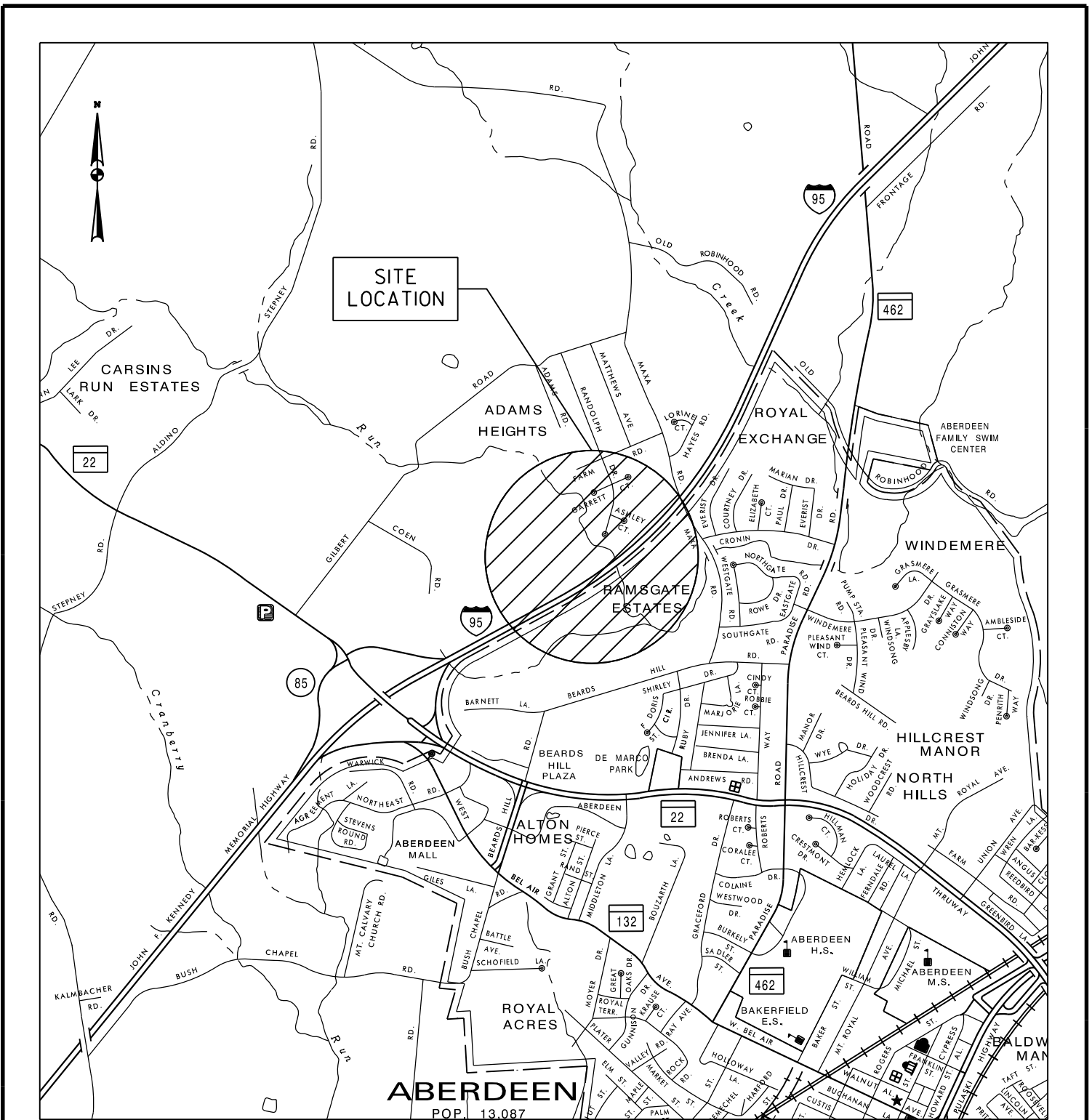
**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 60'

CONTRACT NO.: KH-3009, KH-3014

DATE: MAY 2018

PLATE 03 OF 03



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	9,172 SF	3,794 SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PERENNIAL WUS	397 LF / 11,781 SF	LF/SF
INTERMITTENT WUS	LF/SF	928 LF / 6,579 SF
EPHEMERAL WUS	LF/SF	149 LF / 1,461 SF
WETLAND BUFFER	4,335 SF	606 SF
100-YEAR FLOODPLAIN	17,940 SF	SF

NOTE: 6,534 SF / 0.15 AC OF WETLAND CREATION IS PROPOSED

**VICINITY MAP**

I-95 ETL NORTHBOUND EXTENSION  
 CARBINS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**





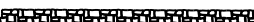



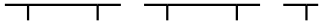
SCALE: 1" = 2,000'

DATE: REV. MAY 2018







CONTRACT NO.: TBD

PLATE 1 OF 9

# LEGEND

----- 430 -----	EX. CONTOUR	— LOD —	LIMIT OF DISTURBANCE
X-----X-----X	EX. FENCE	- - - - -	ORANGE CONSTRUCTION FENCE
	EX. WOODS LINE		DISCHARGE HOSE
	EX. TREE		SANDBAG DAM
(SS) (SD)	EX. MANHOLE	☒FB	FILTER BAG
○	EX. UTILITY POLE	(P)	PUMP
-----	PROPERTY LINE	----- 217 -----	PROPOSED CONTOUR
— WUS —	WATERS OF THE U.S.	=====	PROPOSED CHANNEL
— WUSE —	WATERS OF THE U.S. EPHEMERAL		PROPOSED W-WEIR
● ● ● ● ● ● ● ●	EX. NON-TIDAL WETLAND		PROPOSED RIPRAP
— B —	25' WETLAND BUFFER		PROPOSED WETLAND CREATION AREA
— SB —	75' STREAM BUFFER		
	SPECIMEN TREE WITH CRITICAL ROOT ZONE		
	EX. FEMA 100 YEAR FLOODPLAIN		

# LEGEND FOR IMPACT TYPES

	TEMPORARY WATERS OF U.S. IMPACT		PERMANENT WATERS OF U.S. IMPACT
	TEMPORARY NON-TIDAL WETLAND IMPACT		PERMANENT NON-TIDAL WETLAND IMPACT
	TEMPORARY 25' NON-TIDAL WETLAND BUFFER IMPACT		PERMANENT 25' NON-TIDAL WETLAND BUFFER IMPACT

## LEGEND

I-95 ETL NORTHBOUND EXTENSION  
 CARSENS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



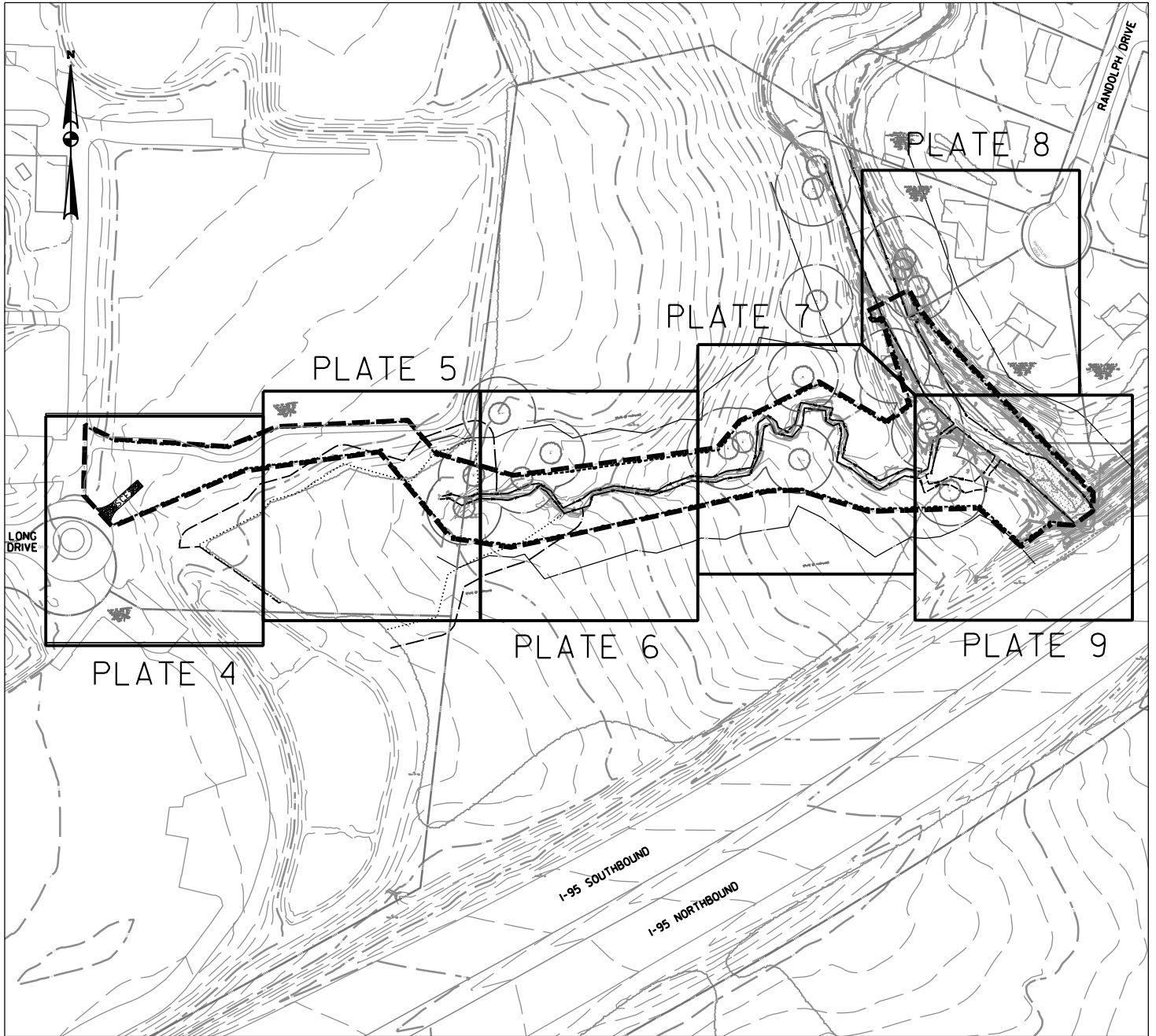
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE:   N.T.S.  

DATE:   REV. MAY 2018  

CONTRACT NO.:   TBD  

PLATE   2   OF   9



KEY MAP

I-95 ETL NORTHBOUND EXTENSION  
 CARSENS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



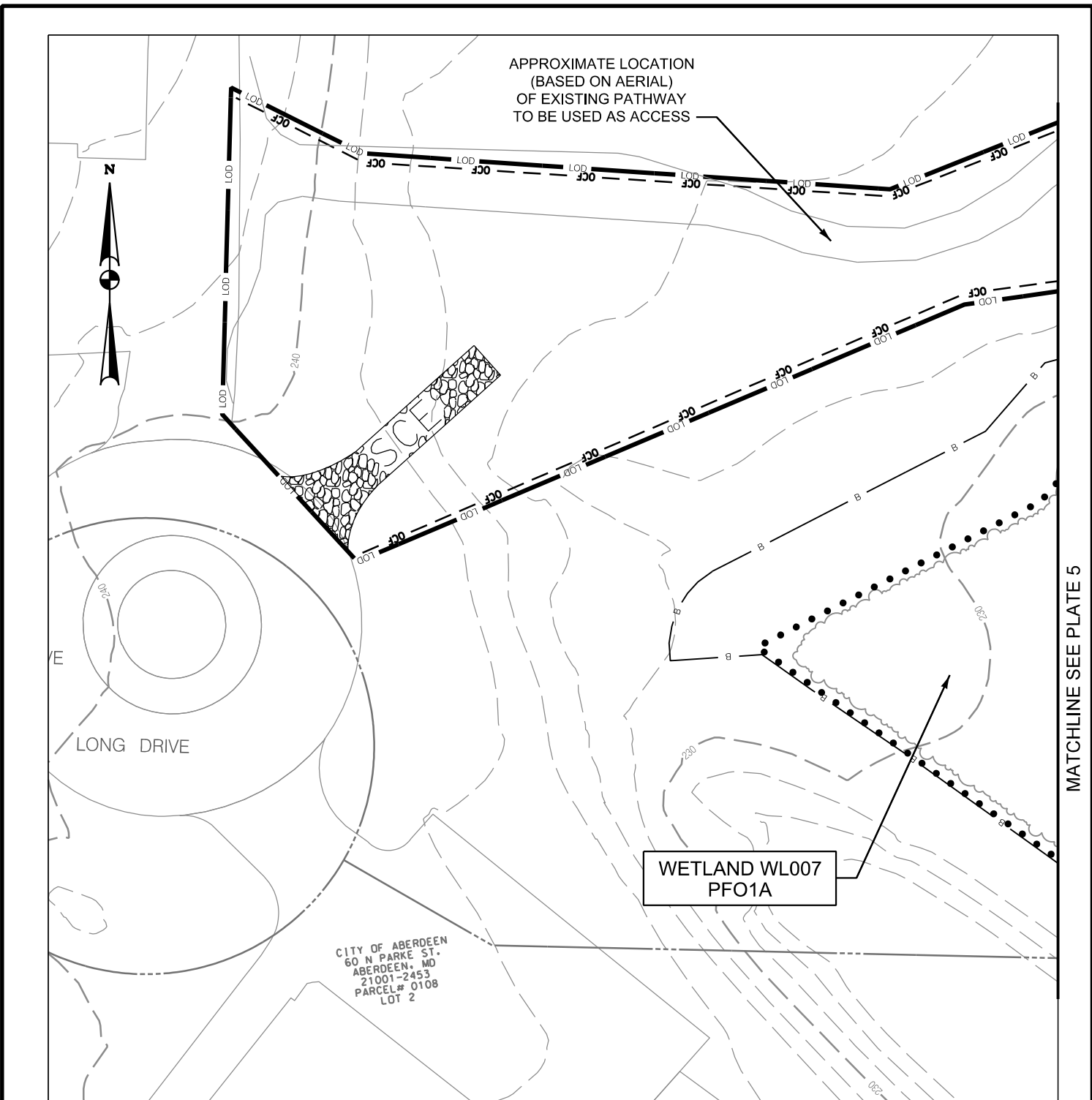
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 200'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 3 OF 9



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	SF	SF

NOTE: NO IMPACTS ON THIS PLATE

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 CARNSINS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



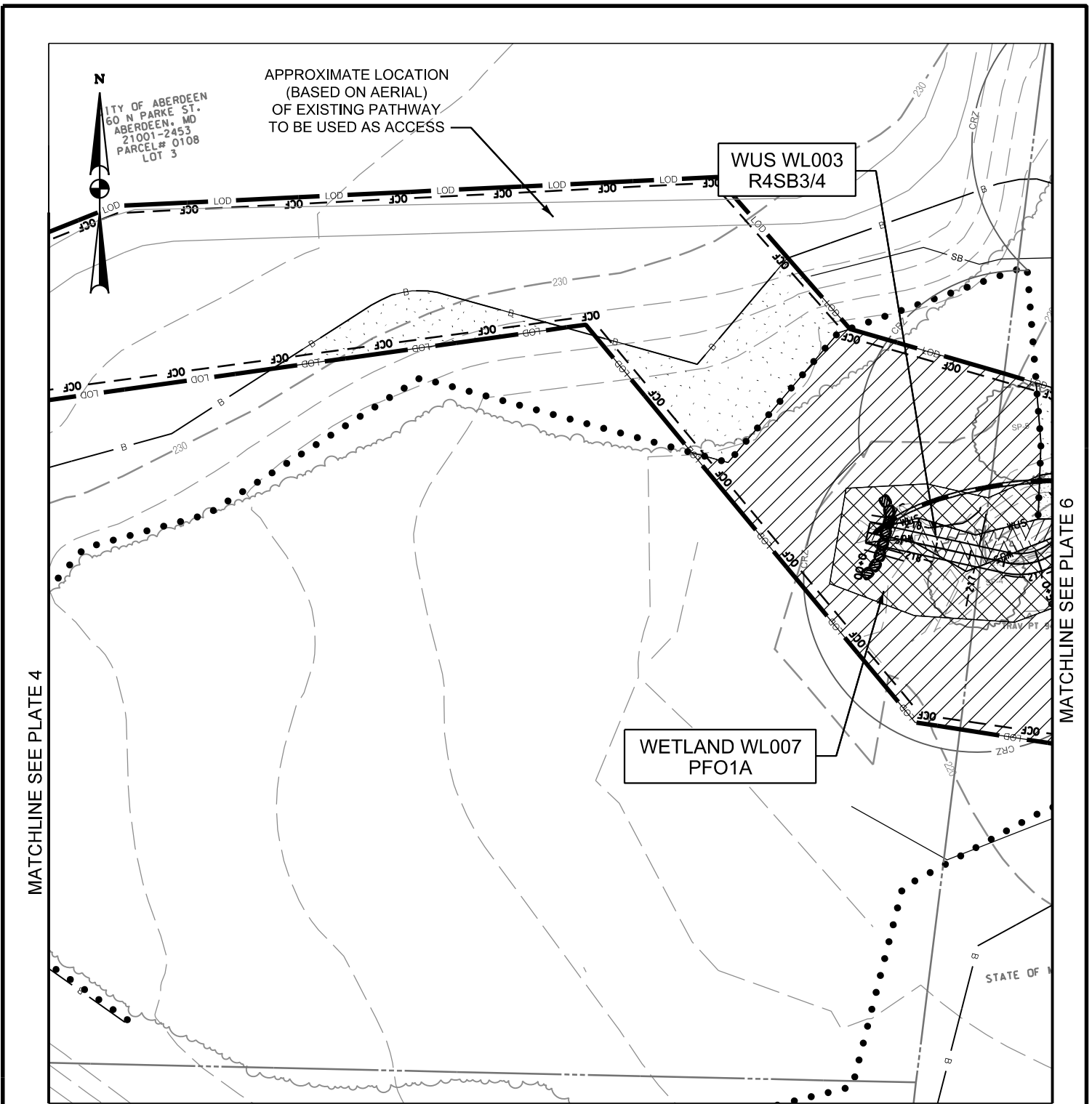
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 40'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 4 OF 9



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	5,506 SF	1,763 SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	54 / 394 LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	2,543 SF	50 SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 CARSENS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



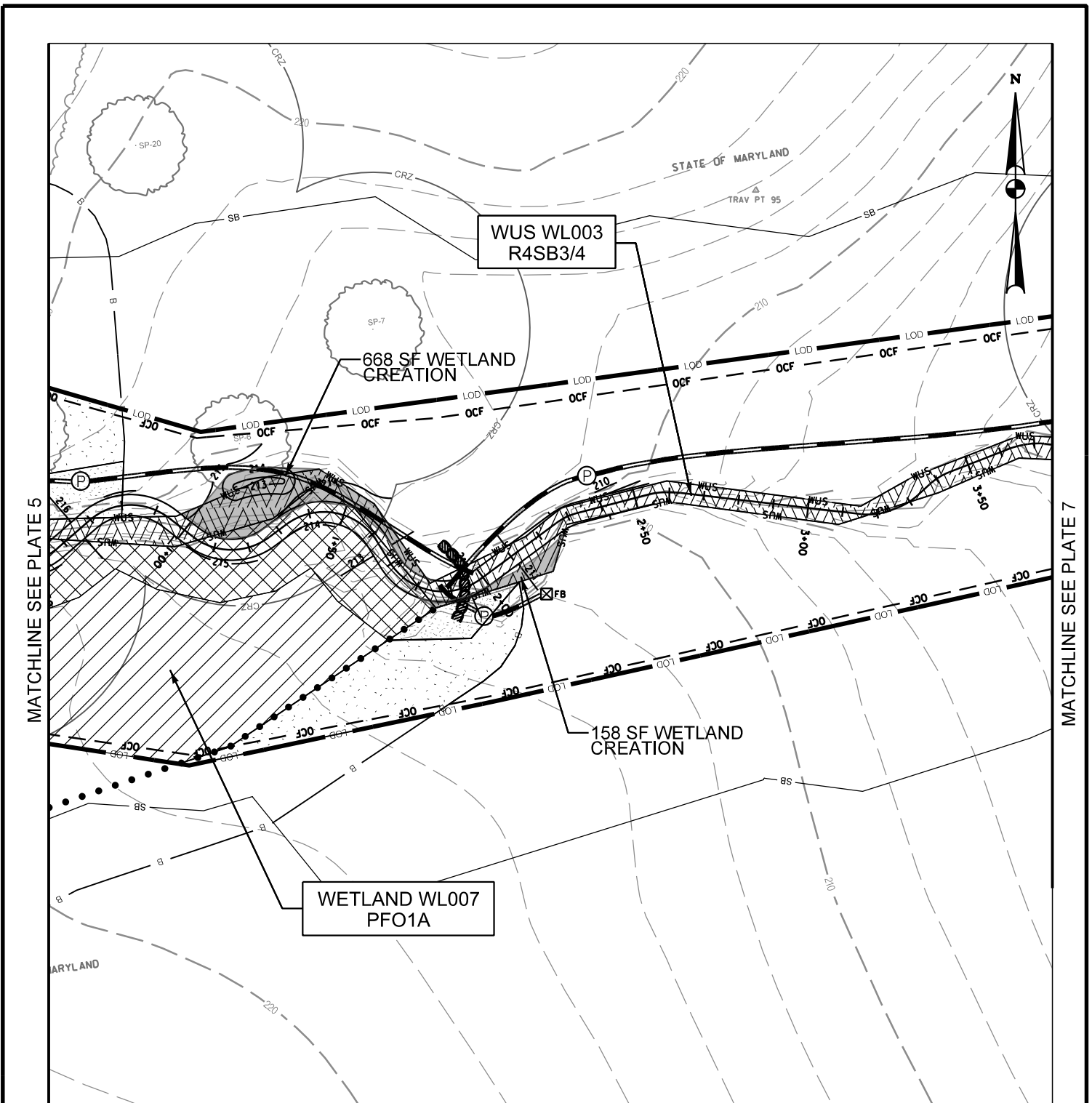
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 40'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 5 OF 9



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	3,666 SF	2,031 SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PERENNIAL WUS	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	319 / 2,120 LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	1,792 SF	556 SF
100-YEAR FLOODPLAIN	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 CARNSINS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



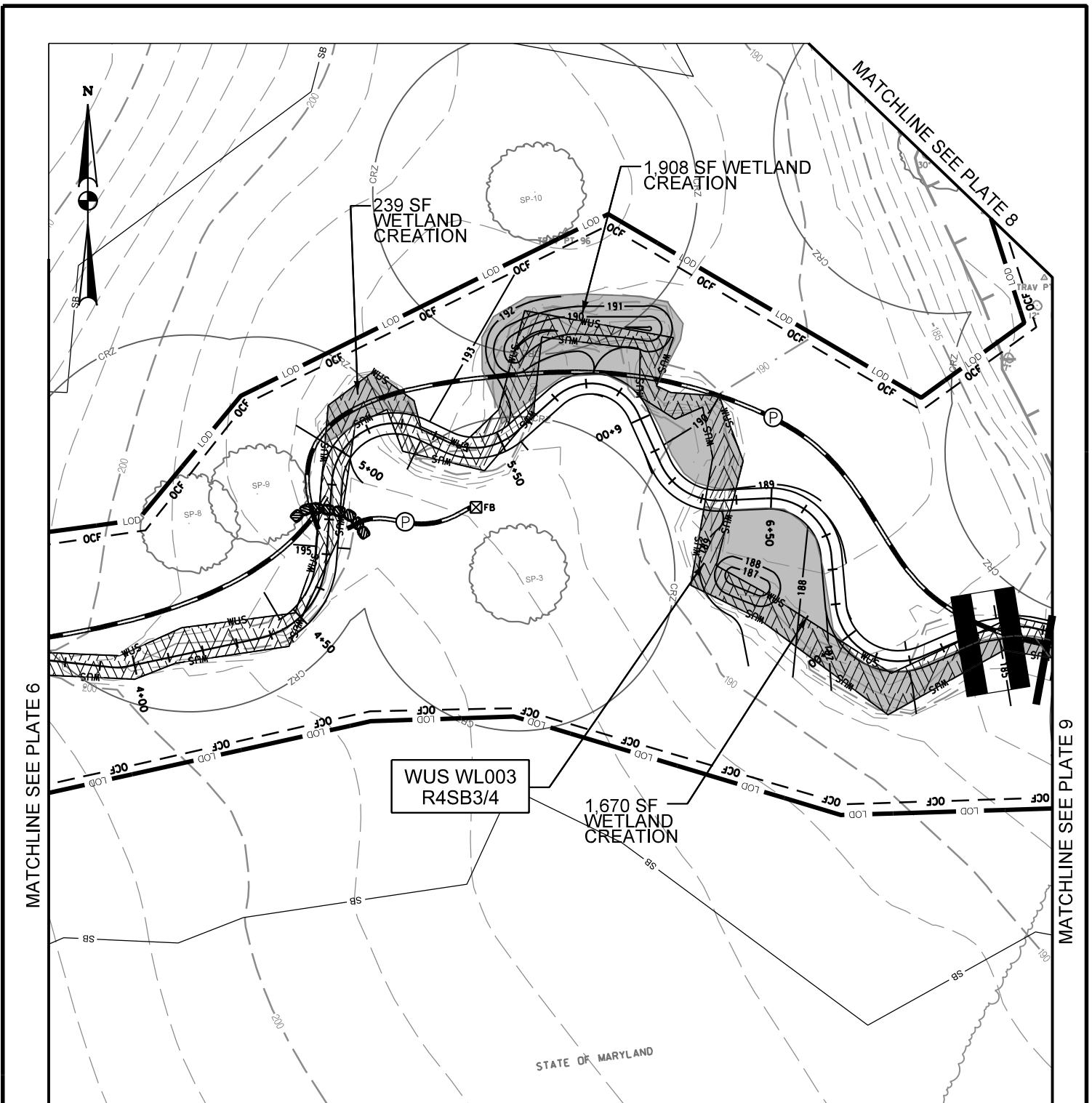
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 40'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 6 OF 9



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
	SF	SF	SF	SF
PFO WETLAND				
PSS WETLAND				
PEM WETLAND				
PERENNIAL WUS		LF/SF		LF/SF
INTERMITTENT WUS		LF/SF	460 / 3,461	LF/SF
EPHEMERAL WUS		LF/SF		LF/SF
WETLAND BUFFER		SF		SF
100-YEAR FLOODPLAIN		621 SF		SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 CARNSINS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

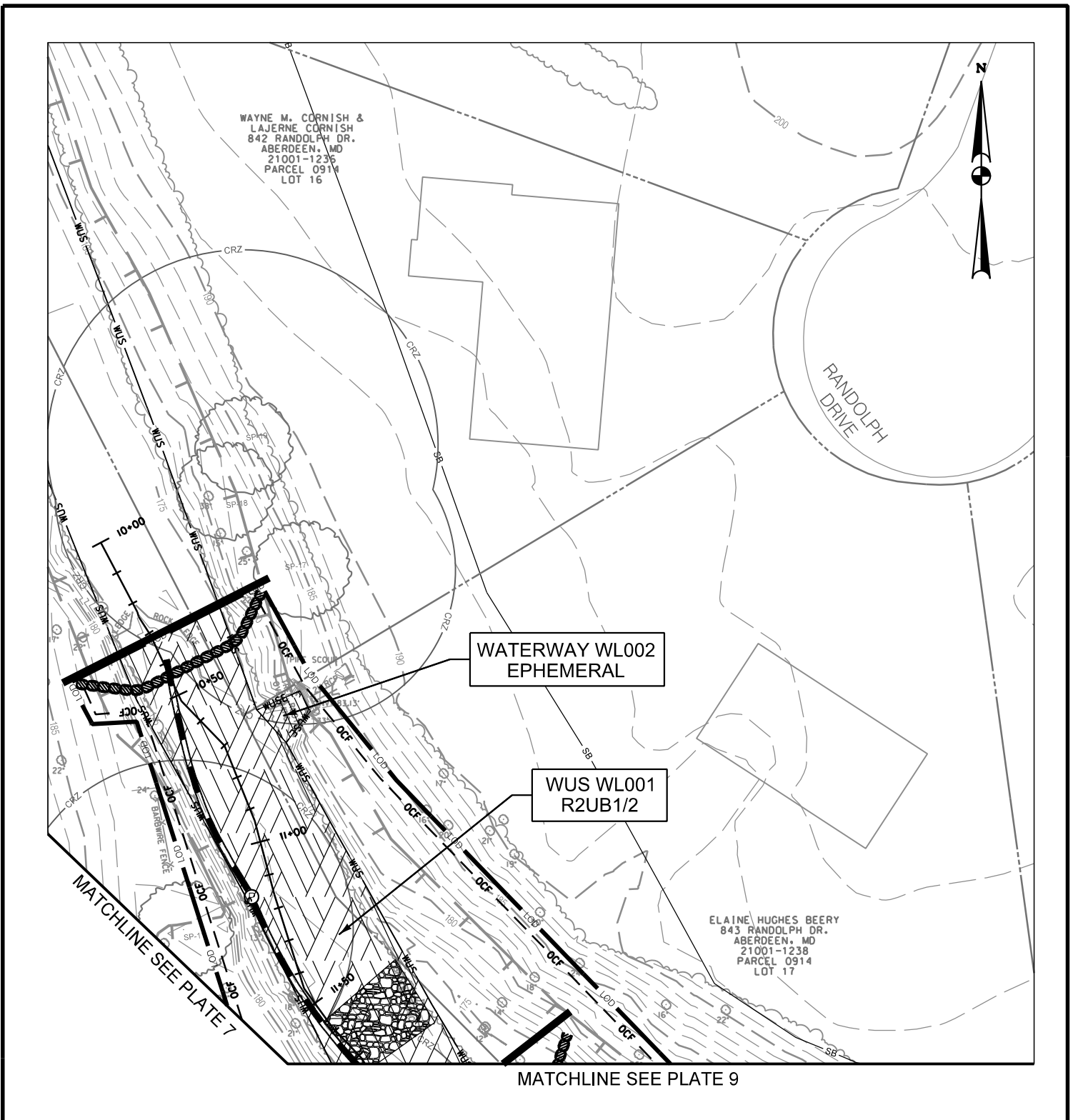
SCALE: 1" = 40'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 7 OF 9





**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
PFO WETLAND	SF	SF	SF	SF
PSS WETLAND	SF	SF	SF	SF
PEM WETLAND	SF	SF	SF	SF
PERENNIAL WUS	142 / 4,612	LF/SF	LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	LF/SF	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	13 / 118	LF/SF	LF/SF
WETLAND BUFFER	SF	SF	SF	SF
100-YEAR FLOODPLAIN	4,309	SF	SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 CARNSINS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 40'

DATE: REV. MAY 2018

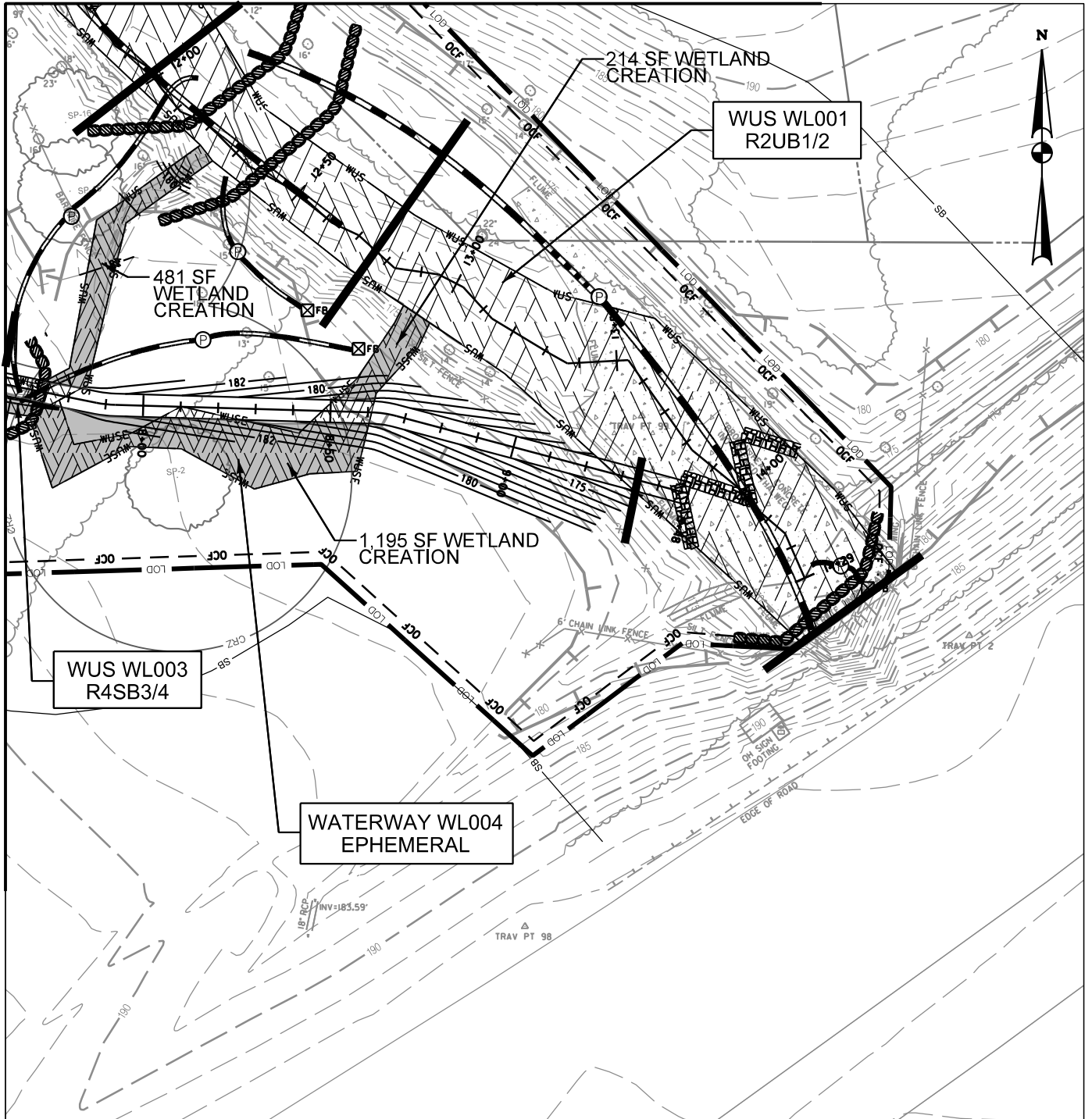
CONTRACT NO.: TBD

PLATE 8 OF 9

MATCHLINE SEE PLATE 8



MATCHLINE SEE PLATE 7



IMPACTS ON THIS PLATE

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PERENNIAL WUS	255 / 7,169 LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	95 / 604 LF/SF
EPHEMERAL WUS	LF/SF	136 / 1,343 LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	13.010 SF	SF

WETLAND IMPACT PLATE

I-95 ETL NORTHBOUND EXTENSION  
 CARSENS RUN STREAM MITIGATION  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 HARFORD COUNTY, MARYLAND



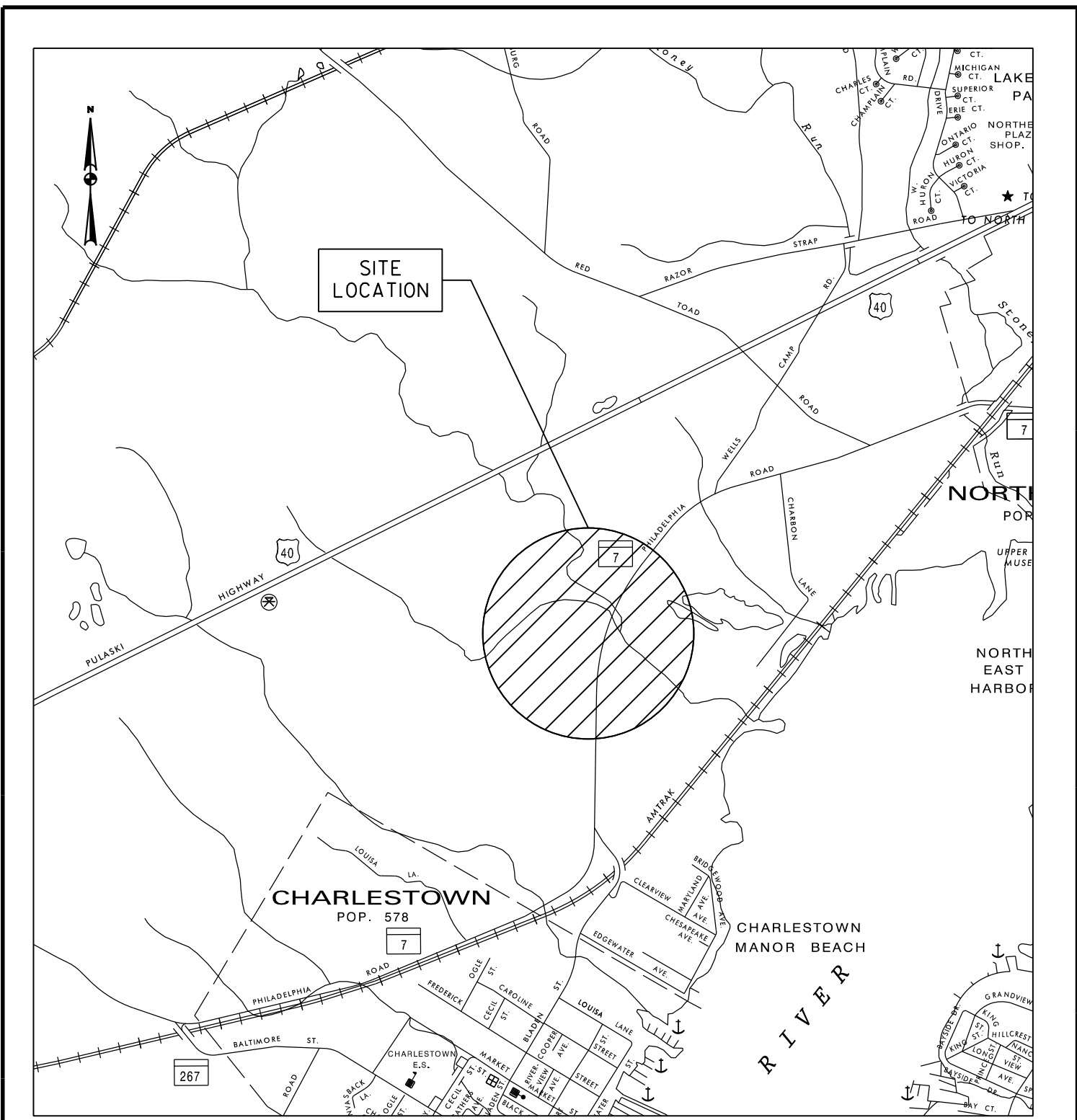
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 40'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 9 OF 9



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
PFO WETLAND	SF	SF	SF	SF
PSS WETLAND	SF	SF	SF	SF
PEM WETLAND	SF	SF	SF	SF
PERENNIAL WUS	49 LF / 774 SF	80 / 1.465 LF/SF		
INTERMITTENT WUS	LF/SF	LF/SF		
EPHEMERAL WUS	LF/SF	LF/SF		
WETLAND BUFFER	SF	SF		
100-YEAR FLOODPLAIN	8.715 SF	SF		

**VICINITY MAP**

I-95 ETL NORTHBOUND EXTENSION  
 MD 7 FISH PASSAGE SITE  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 CECIL COUNTY, MARYLAND



**MARYLAND  
 TRANSPORTATION AUTHORITY**




SCALE: 1" = 2,000'

DATE: REV. MAY 2018

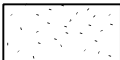
CONTRACT NO.: TBD

PLATE 1 OF 5

# LEGEND

----- 430 -----	EX. CONTOUR
X-----X-----X	EX. FENCE
~~~~~	EX. WOODS LINE
	EX. TREE
	EX. MANHOLE
(SS) (SD)	EX. UTILITY POLE
○	PROPERTY LINE
-----	WATERS OF THE U.S.
----- WUS -----	EX. NON-TIDAL WETLAND BOUNDARY
● ● ● ● ● ● ● ●	25' WETLAND BUFFER
----- B -----	EX. FEMA 100 YEAR FLOODPLAIN
-----	LIMIT OF DISTURBANCE
----- LOD -----	ROCK RAMP
	

# LEGEND FOR IMPACT TYPES

	TEMPORARY WATERS OF U.S. IMPACT		PERMANENT WATERS OF U.S. IMPACT
	TEMPORARY NON-TIDAL WETLAND IMPACT		
	TEMPORARY 25' NON-TIDAL WETLAND BUFFER IMPACT		

## LEGEND

I-95 ETL NORTHBOUND EXTENSION  
 MD 7 FISH PASSAGE SITE  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 CECIL COUNTY, MARYLAND



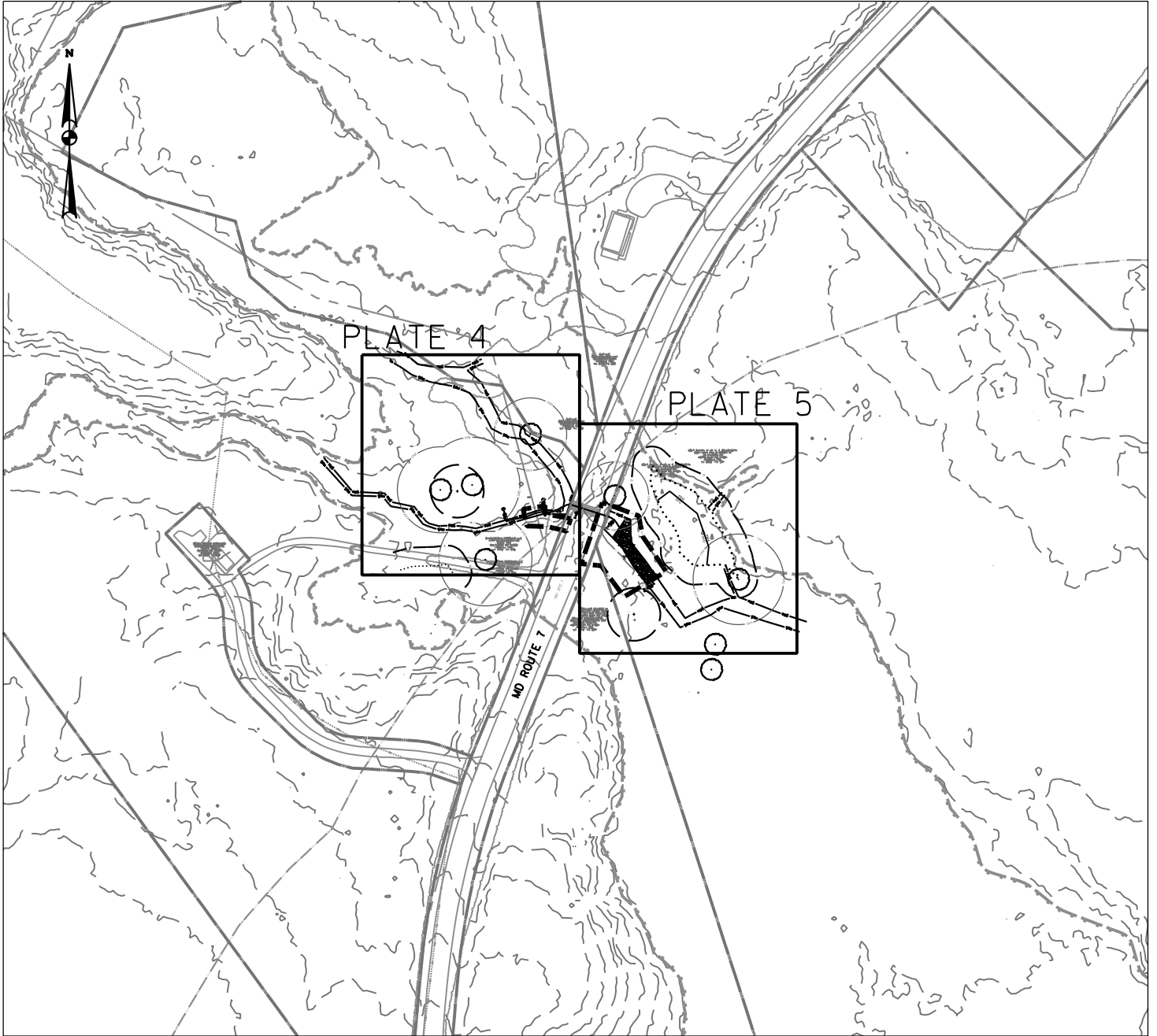
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: N.T.S.

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 2 OF 5



KEY MAP

I-95 ETL NORTHBOUND EXTENSION  
 MD 7 FISH PASSAGE SITE  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 CECIL COUNTY, MARYLAND



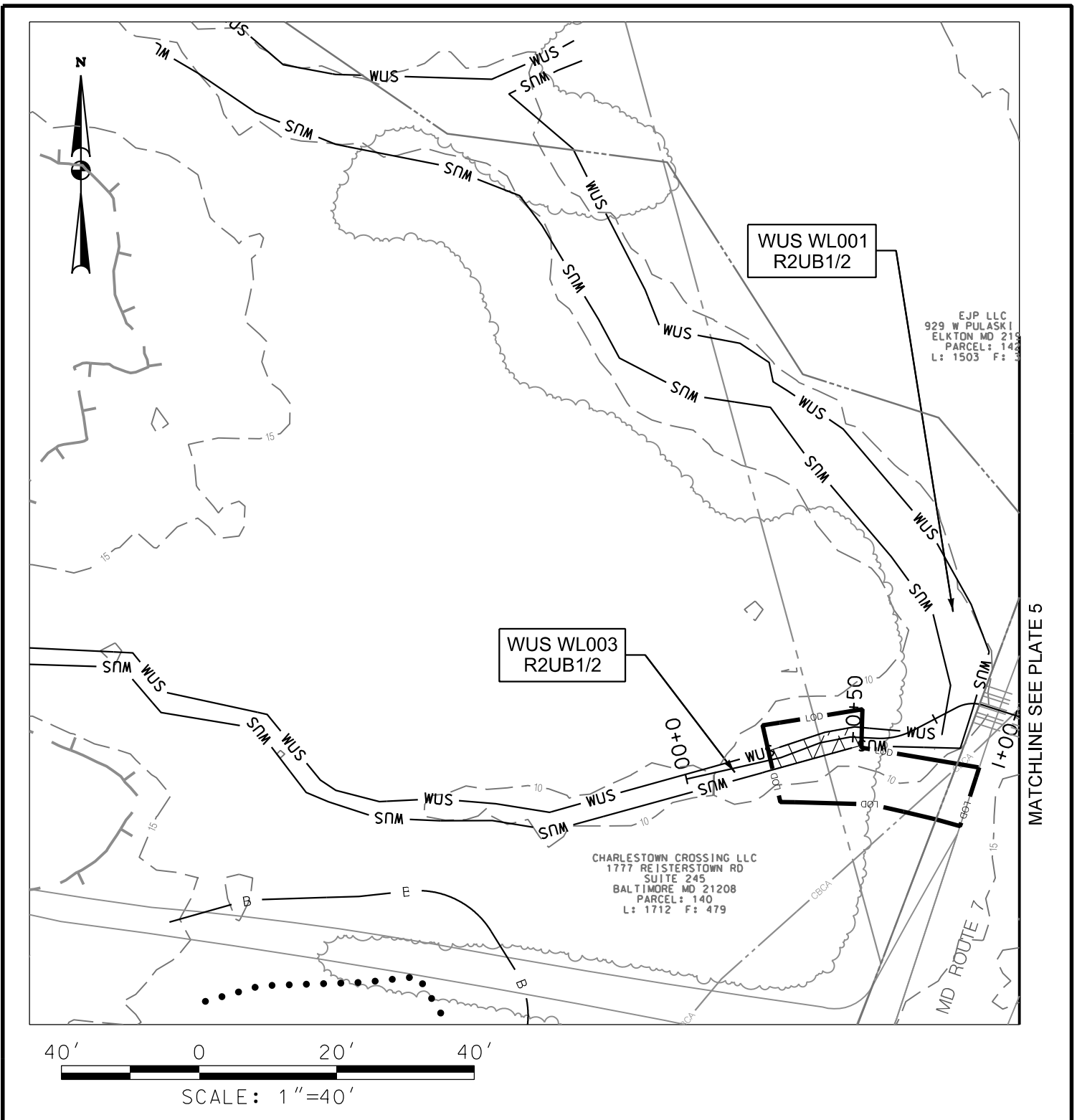
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 200'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 3 OF 5



**IMPACTS ON THIS PLATE**

	TEMPORARY	PERMANENT
PFO WETLAND	SF	SF
PSS WETLAND	SF	SF
PEM WETLAND	SF	SF
PERENNIAL WUS	27 / 165 LF/SF	LF/SF
INTERMITTENT WUS	LF/SF	LF/SF
EPHEMERAL WUS	LF/SF	LF/SF
WETLAND BUFFER	SF	SF
100-YEAR FLOODPLAIN	1,189 SF	SF

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
 MD 7 FISH PASSAGE SITE  
 JOHN F. KENNEDY MEMORIAL HIGHWAY  
 CECIL COUNTY, MARYLAND



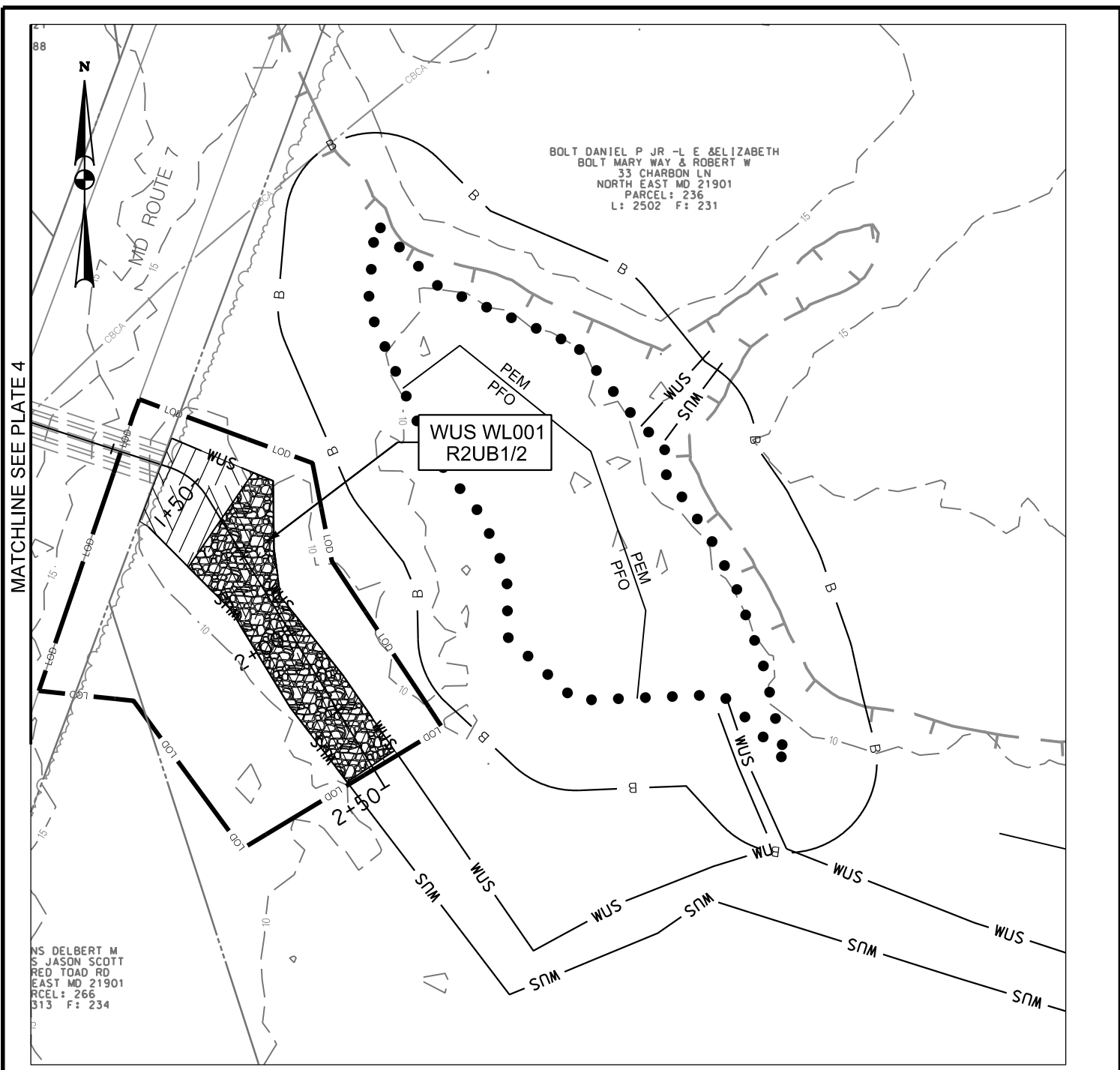
**MARYLAND  
 TRANSPORTATION AUTHORITY**

SCALE: 1" = 40'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 4 OF 5



**IMPACTS ON THIS PLATE**

	TEMPORARY		PERMANENT	
PFO WETLAND	SF		SF	
PSS WETLAND	SF		SF	
PEM WETLAND	SF		SF	
PERENNIAL WUS	22 / 609 LF/SF		80 / 1,465 LF/SF	
INTERMITTENT WUS	LF/SF		LF/SF	
EPHEMERAL WUS	LF/SF		LF/SF	
WETLAND BUFFER	SF		SF	
100-YEAR FLOODPLAIN	7,526 SF		SF	

**WETLAND IMPACT PLATE**

I-95 ETL NORTHBOUND EXTENSION  
MD 7 FISH PASSAGE SITE  
JOHN F. KENNEDY MEMORIAL HIGHWAY  
CÉCIL COUNTY, MARYLAND



**MARYLAND  
TRANSPORTATION AUTHORITY**

SCALE: 1" = 40'

DATE: REV. MAY 2018

CONTRACT NO.: TBD

PLATE 5 OF 5