

ENGINEERING "NO-RISE" CERTIFICATION

This is to certify that I am a duly qualified engineer licensed to practice in the State of Virginia.

It is to further certify that the attached technical data supports the fact that proposed 42-inch Atlantic Coast Pipeline and associated access roads will not impact the 100-year flood elevations, floodway elevations and floodway widths on James River at published sections in the Flood Insurance Rate Map for Nelson County, VA 51125C0390B, dated June 18, 2010 and 51029C0090B dated June 17, 2008 will not impact the 100-year flood elevations, floodway elevations, and floodway widths at unpublished cross-sections in the vicinity of the proposed development.

Attached are the following documents that support my findings:

Project Location Map

Proposed Pipeline AP-1 Crossing James River 1 of 3

Flood Plain Project Map

Proposed Pipeline AP-1 Crossing James River 2 of 3

Plan & Profile

Proposed Pipeline AP-1 Crossing James River 3 of 3



(Signature)

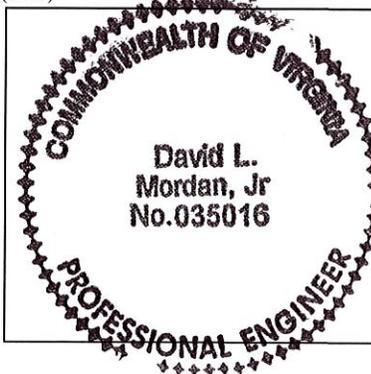
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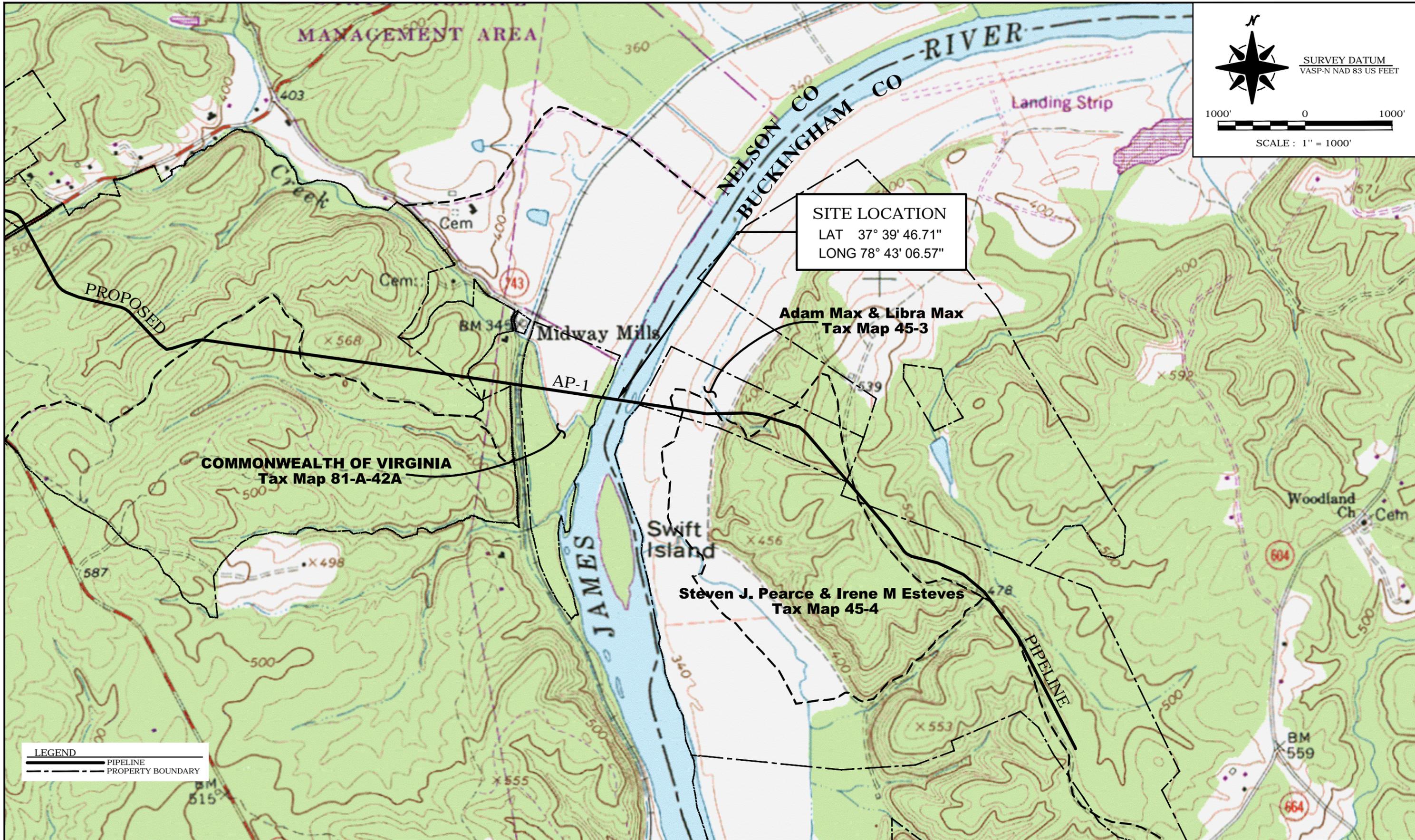
(Title)

I3 Engineering & Consulting, LLC
1160 Johnson Ave., Suite 101
Bridgeport, WV 26330
Phone 304-848-6730

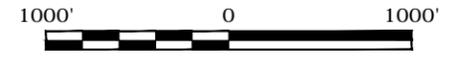
3-20-2017

(Date)





SURVEY DATUM
VASP-N NAD 83 US FEET



SCALE: 1" = 1000'

SITE LOCATION
LAT 37° 39' 46.71"
LONG 78° 43' 06.57"

**Adam Max & Libra Max
Tax Map 45-3**

**Steven J. Pearce & Irene M Esteves
Tax Map 45-4**

**COMMONWEALTH OF VIRGINIA
Tax Map 81-A-42A**

LEGEND
 PIPELINE
 PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
 PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
 U.S.G.S. TOPOGRAPHIC MAP
 HOWARDSVILLE, VA 7.5 QUADRANGLE.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.

SEAL

Engineering and Consulting, LLC
INTEGRITY • INITIATIVE • INNOVATION

DRAWN: RLR/ALC 3/15/17
CHECKED: RVS / DLM 3/15/17
APP. FOR BID:
APP. FOR CONST.:
SCALE: 1" = 1000'

Atlantic Coast Pipeline, LLC
 925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

TITLE: PROJECT LOCATION MAP
 PROPOSED PIPELINE AP-1 CROSSING JAMES RIVER

DISTRICT: DOM/ACP/Floodplain Permit/Nelson/JamesRiver	COUNTY: NELSON	STATE: VA	GROUP:	DWG. NO.: 1 of 3	REV.: 0
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FLOOD PLAIN REFERENCE

THE PROPERTY IS LOCATED IN ZONE AE AND X AS SHOWN ON THE FLOOD INSURANCE RATE MAPS, 51125C0390B NELSON COUNTY, VA. UNINCORPORATED AREAS, PANEL NUMBER 0390B, EFFECTIVE DATE JUNE 18, 2010 AND 51029C0090B BUCKINGHAM COUNTY, VA. UNINCORPORATED AREAS, PANEL NUMBER 0090B, EFFECTIVE DATE JUNE 17, 2008.

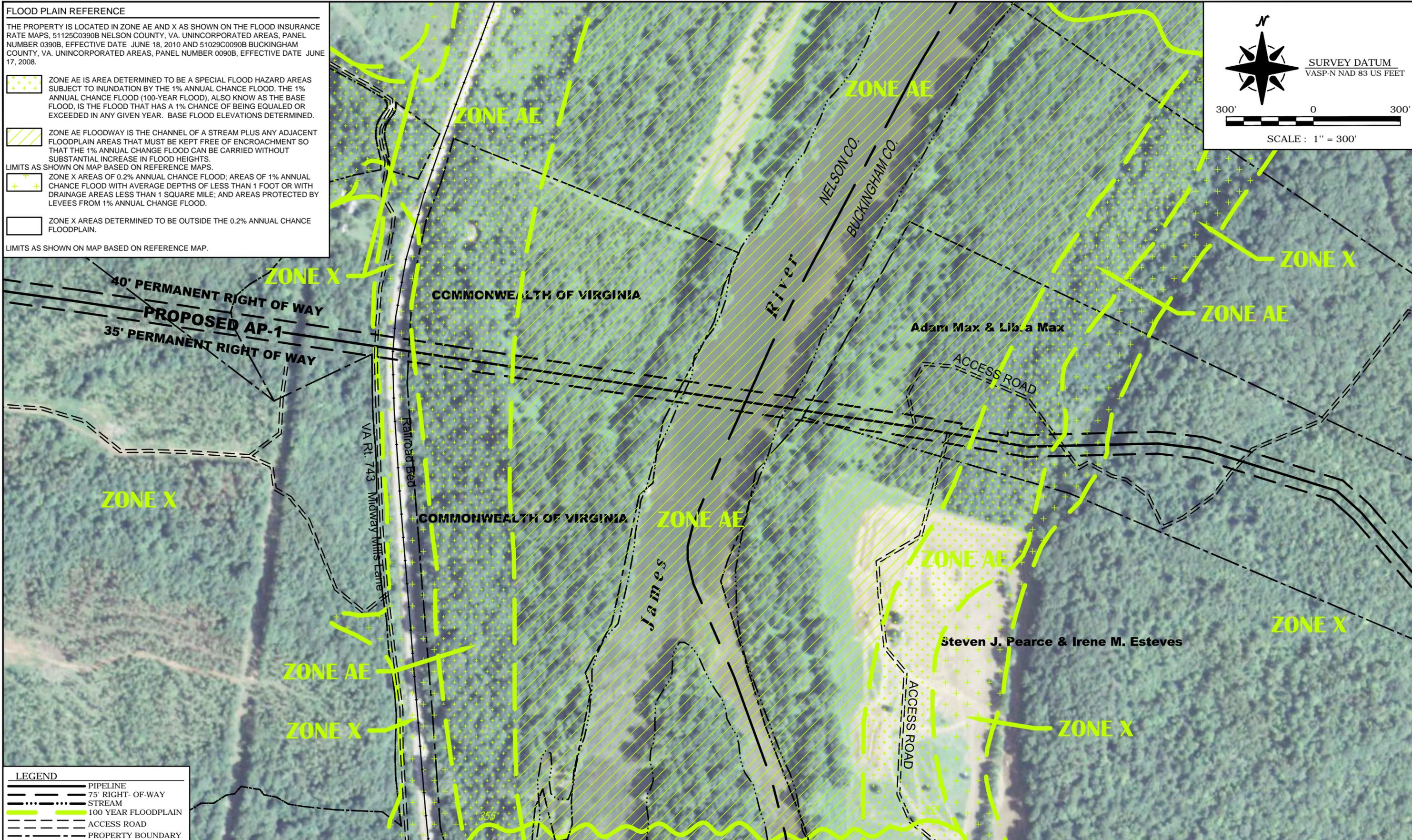
-  ZONE AE IS AREA DETERMINED TO BE A SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE 1% ANNUAL CHANCE FLOOD (100-YEAR FLOOD), ALSO KNOWN AS THE BASE FLOOD, IS THE FLOOD THAT HAS A 1% CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. BASE FLOOD ELEVATIONS DETERMINED.
-  ZONE AE FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASE IN FLOOD HEIGHTS. LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAPS.
-  ZONE X AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.
-  ZONE X AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. LIMITS AS SHOWN ON MAP BASED ON REFERENCE MAP.



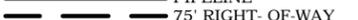
SURVEY DATUM
VASP-N NAD 83 US FEET



SCALE : 1" = 300'



LEGEND

-  PIPELINE
-  75' RIGHT-OF-WAY
-  STREAM
-  100 YEAR FLOODPLAIN
-  ACCESS ROAD
-  PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:

REFERENCE
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.
IMAGERY OBTAINED VIA ERSI WORLD IMAGERY, ACCESSED 10/4/16.

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
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I3

DRAWN: RLR/ALC 3/15/17
 CHECKED: RVS/DLM 3/15/17
 APP. FOR BID:
 APP. FOR CONST.:
 SCALE: 1" = 300'

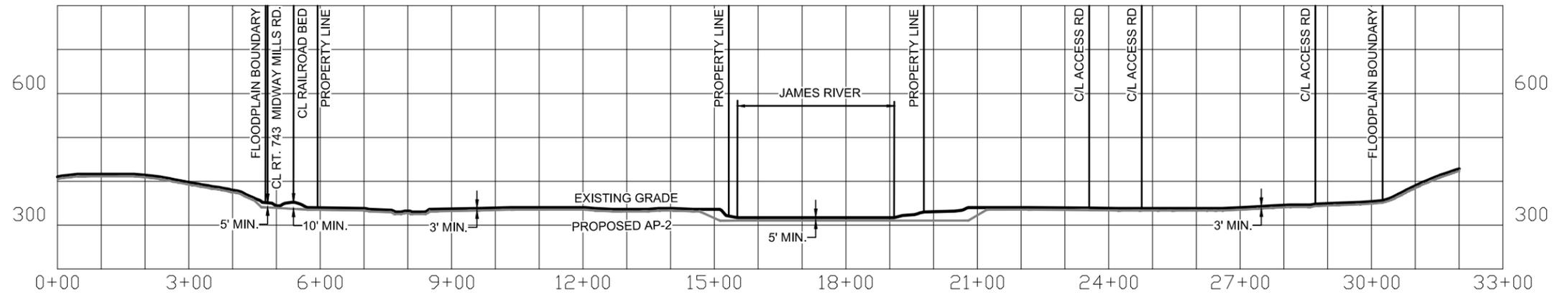
Atlantic Coast Pipeline, LLC
925 White Oaks Blvd. Bridgeport, West Virginia 26330 / 681-842-8000

TITLE:
FLOODPLAIN PROJECT MAP
PROPOSED PIPELINE AP-1 CROSSING JAMES RIVER

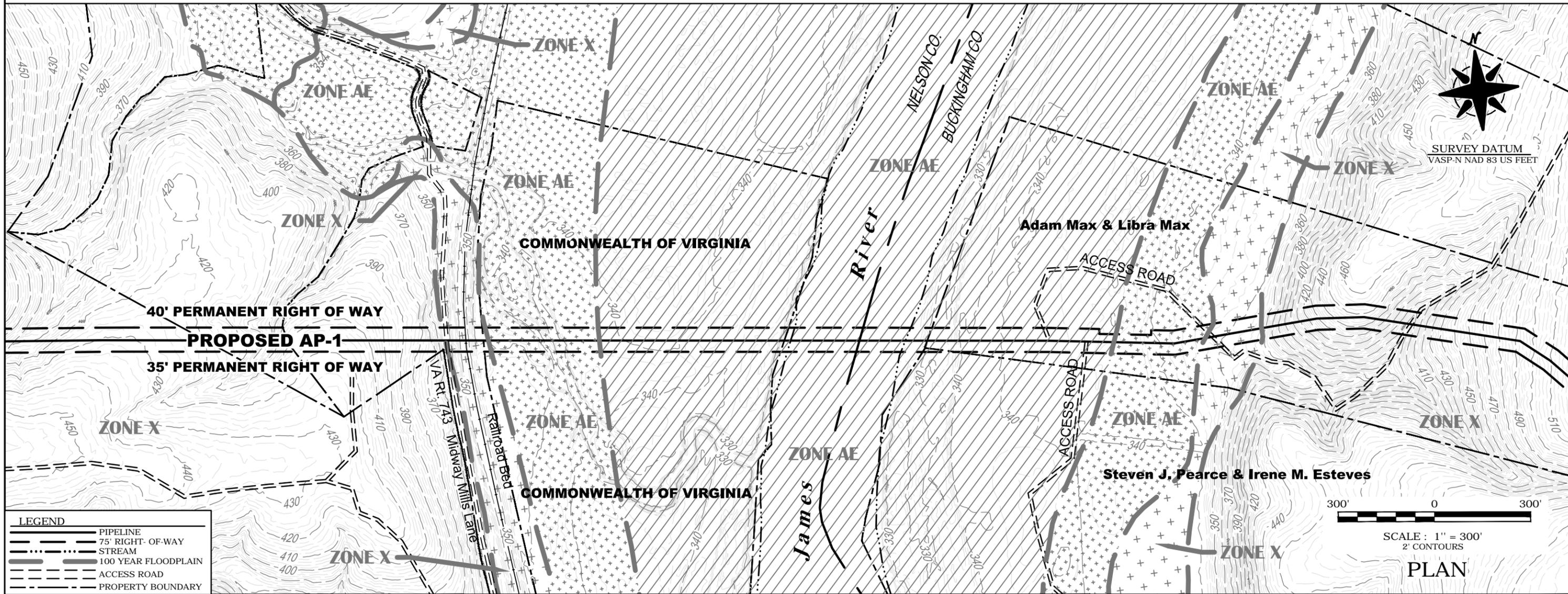
DISTRICT:	COUNTY: NELSON	STATE: VA	GROUP:	DWG. NO.	REV.
DIR/FILE:	DOM/ACP/FloodplainPermit/Nelson/JamesRiver			2 of 3	0

NOTES:

- EXISTING GRADE ELEVATIONS PROVIDED IN THE PLAN/PROFILE WILL BE RESTORED TO LIKE ELEVATIONS AFTER CONSTRUCTION; NO CHANGE TO ELEVATIONS ARE PLANNED



PROFILE
SCALE : 1" = 300' Horizontal & Vertical



LEGEND	
	PIPELINE
	75' RIGHT-OF-WAY
	STREAM
	100 YEAR FLOODPLAIN
	ACCESS ROAD
	PROPERTY BOUNDARY

GENERAL NOTES AND COMMENTS:			
REFERENCE			
LIDAR ELEVATION DATA PROVIDED BY GAI CONSULTANTS.			
PIPELINE SURVEY INFORMATION PROVIDED BY GAI CONSULTANTS.			

SYM.	DATE	BY	REVISION INFORMATION	PROJECT/TASK	APP.	SEAL

Engineering and Consulting, LLC
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CHECKED:	RVS / DLM	3/15/17
APP. FOR BID:		
APP. FOR CONST.:		
SCALE:	1" = 300'	

Atlantic Coast Pipeline, LLC
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PLAN & PROFILE
PROPOSED PIPELINE AP-1 CROSSING JAMES RIVER

DISTRICT:	COUNTY:	STATE:	GROUP:	DWG. NO.:	REV.:
DOMACP/FloodplainPermit/Nelson/JamesRiver	NELSON	VA		3 of 3	0