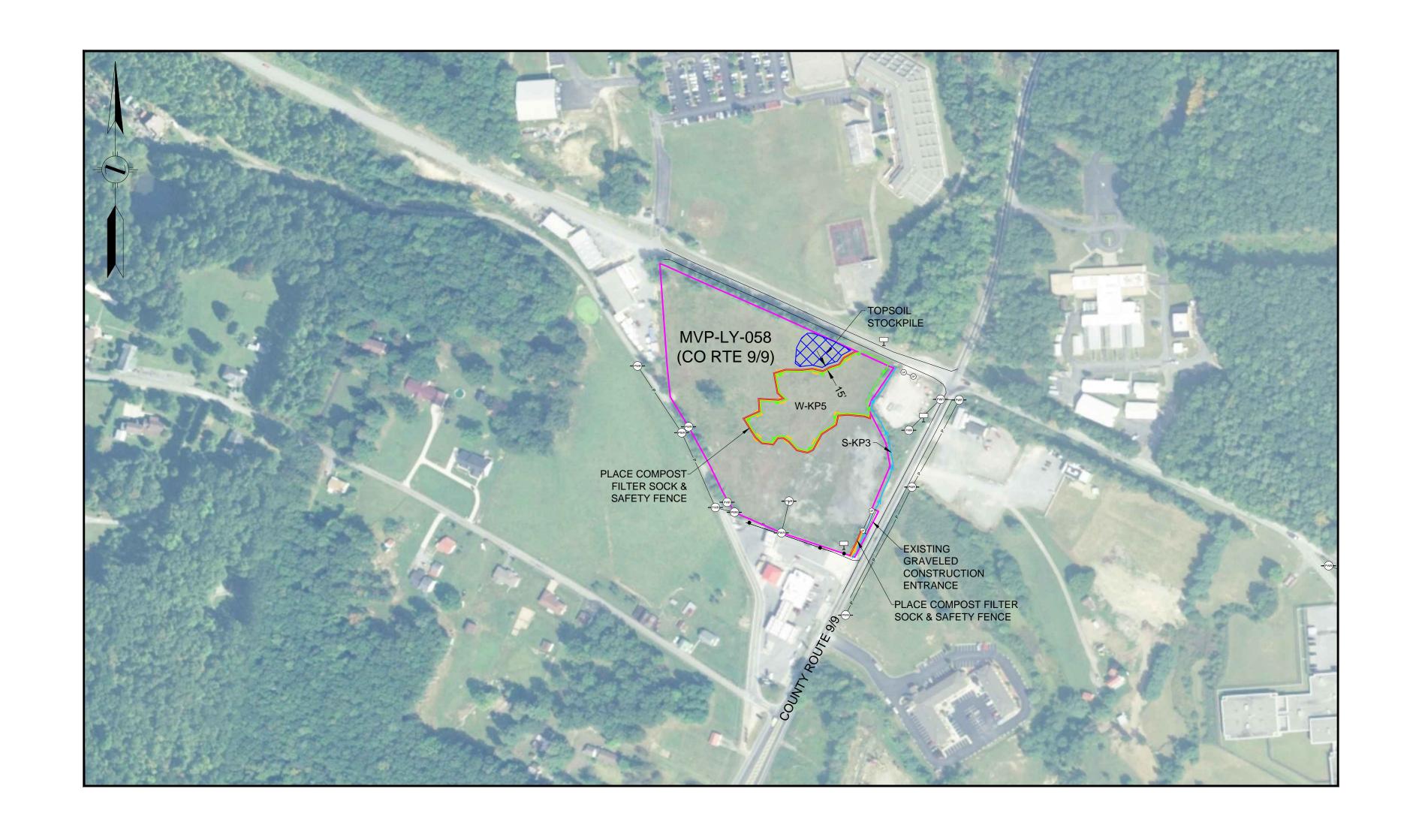
	M	VP Vari	ance Re	equest	Form	Varia	ance Request		
NA MAG	untain			Date An	nroval P	eguested	<b>No.:</b> by Contractor:	E-4 4/10/2018	
VIOI	untain Valley				•	•	•	4/10/2010	
	PIPELINE Luc	Date Submitted by Chief Inspector to LEI:  Date Received by FERC:							
	ſ		FEF	C Appro		ence No.:	,		
					_	_	Variance	1440	
Requested By:	Andy Travenio			Sp	oread:	E Varia	Type: ince Sequence	WS	
Request Prepared By *:	Megan Neylon					Varie	Number:	004	
* The FERC compliance mo		_					ior to submittal		
		Location (l l	Use either	Station o	r Milepo	st)			
Station:	N/A	То:	N/A	Milep	ost:	N/A	To:	N/A	
Alianment	Sheet Number:	Ancillary Site				Tract No.:		, WV-RA-6136, WV- 7, WV-RA-6138	
1			Developed		1	Agency		N/A	
Current Land Use/ Vego Nearby Features (Water body		nd Navieus I	<u> </u>	a a i da ma a	Juriso	diction:			
(distance), Cultural Resource			weed Area, R	esidence	In or w/i	n 50 feet o	f a wetland:	✓ Yes	
Noxious Weed Area	Raptor Nest	Residence (Dis	stance)		In or w/i	n 50 feet o	f a waterbody:	✓ Yes No	
T/E Species Habitat	Cultural Resource S	Site W	ater Well		Matlani	d a. 18/a4a	ula a du ID.	S-KP3	
Other (Specify):	MYSO - (+ 0.01 ac l	JUSH)			vvetiand	d or Wate	W-KP5		
	No Impact-		•						
Additional Stream footage									
impacted:	Culvert				Additiona	ıl Wetland in	npacts:	0.00	
Net acreage affected:	+ 7.41								
Tree Clearing			Acreage clear		+(	0 01			
Tree Clearing Required:	Yes	Level 2	clear		+(	0.01			
Tree Clearing Required: Variance Level:	Yes	Level 2	clear  Level 3	ing:					
Tree Clearing Required:	Yes Level 1 Permit Plan	Level 2	clear  Level 3		Specificat	tion 🔲 Dı	rawing   Mit	igation Measure	
Tree Clearing Required: Variance Level:	Yes	<b>'</b>	clear  Level 3	ing:		tion 🔲 Dı	rawing	igation Measure	
Tree Clearing Required:  Variance Level:  Variance From:	Yes  Level 1  Permit Plan  Line List  Variance:	Procedur  Attachmer	clear  Level 3  res	ing:	Specificat Other: De	tion Diescribe:	os?	Yes V No	
Tree Clearing Required:  Variance Level:  Variance From:	Yes  Level 1  Permit Plan  Line List  Variance: 058. Laydown yard ne	Procedur  Attachmer	clear  Level 3  res	ing:  PPM   Yes   aging. This	Specificat Other: De No yard will be	escribe:  Photo used mainly	os?	Yes  No  No  Inging trucks. Due to	
Tree Clearing Required:  Variance Level:  Variance From:  Detailed Description of Added laydown yard MVP-LY-wetland impact, travel through truck travel and parking. Trees	Yes  □ Level 1 □ Plan □ Line List  Variance:  058. Laydown yard now the yard will be restricted along the perimeter.	Attachmer ecessary for co	clear  Level 3  res	Yes aging. This two large ce. Resour	Specificat Other: De No yard will be trees locate ces have b	Photo used main!  d in the mideen avoided	os?  y to stage pipe str dle of the yard so to the extent prac	Yes No inging trucks. Due to as to not interfere with ticable. Per approved	
Tree Clearing Required:  Variance Level:  Variance From:  Detailed Description of Added laydown yard MVP-LY- wetland impact, travel through truck travel and parking. Trees Project plans, BMPs will be installed	Yes  Level 1  Permit Plan  Line List  Variance:  058. Laydown yard not the yard will be restricted to minimize impacts to the variance to avoid impacts to the permeter of the	Attachmer ecessary for coted. It is nece of the yard with pacts to any e	clear  Level 3  res	Yes [agging. This rece. Resources ensitive and idition, imparts.]	Specificat Other: De No yard will be trees locate ces have b eas within/ acts to stree	Photo used mainly do in the mideen avoided abutting the am S-KP3 w	os?  y to stage pipe str dle of the yard so to the extent prac area. Wetland W- ill be avoided by u	Yes  No inging trucks. Due to as to not interfere with ticable. Per approved KP5 is located within tilizing an existing	
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Additional Surveys Required	Su	Surveyed Corridor Description					
Cultural Survey	No No		✓ Yes No				
T & E Survey	] No		✓ Yes No				
Waterbodies/Wetlands    ✓ Yes    ☐	] No		✓ Yes No				
Proof of Previous Biological and Co		ee endangered species surveys and stream and					
		REDACTED JOE PARK					
Landowner Approval Yes Obtained	No						
Sign Off:	Name	Signature	Date				
Construction Manager	Adam Slone	Adam Slone	5/24/2018				
Lead Environmental Inspector	Brian Hodge	Brian Hodge	5/24/2018				
Third Party Compliance Manager or monitor							
ROW Land Agent *	Joe Park	Joe Park	5/24/2018				
Environmental Supervisor	Megan Neylon	Megan Neylon	5/24/2018				
*signature denotes confirmed landow	ner approval						

For FERC Compliance	e Monitor and Complia	nce Manager Use C	Only	
Variance Approved:	Va	ariance Denied:	Beyond Authority:	
Signature:				
Date:				
Stipulations:				
Spread No.:	E		Variance Request No.:	E-4
	VARIA	NCE CONDITIONS	<b>.</b>	
Name:	Title:		Organization:	
Conditions:	<u> </u>			
Name:	Title:		Organization:	
Conditions:				
Name:	Title:		Organization:	
Conditions:				

Alignment Sheets
Attachment 1

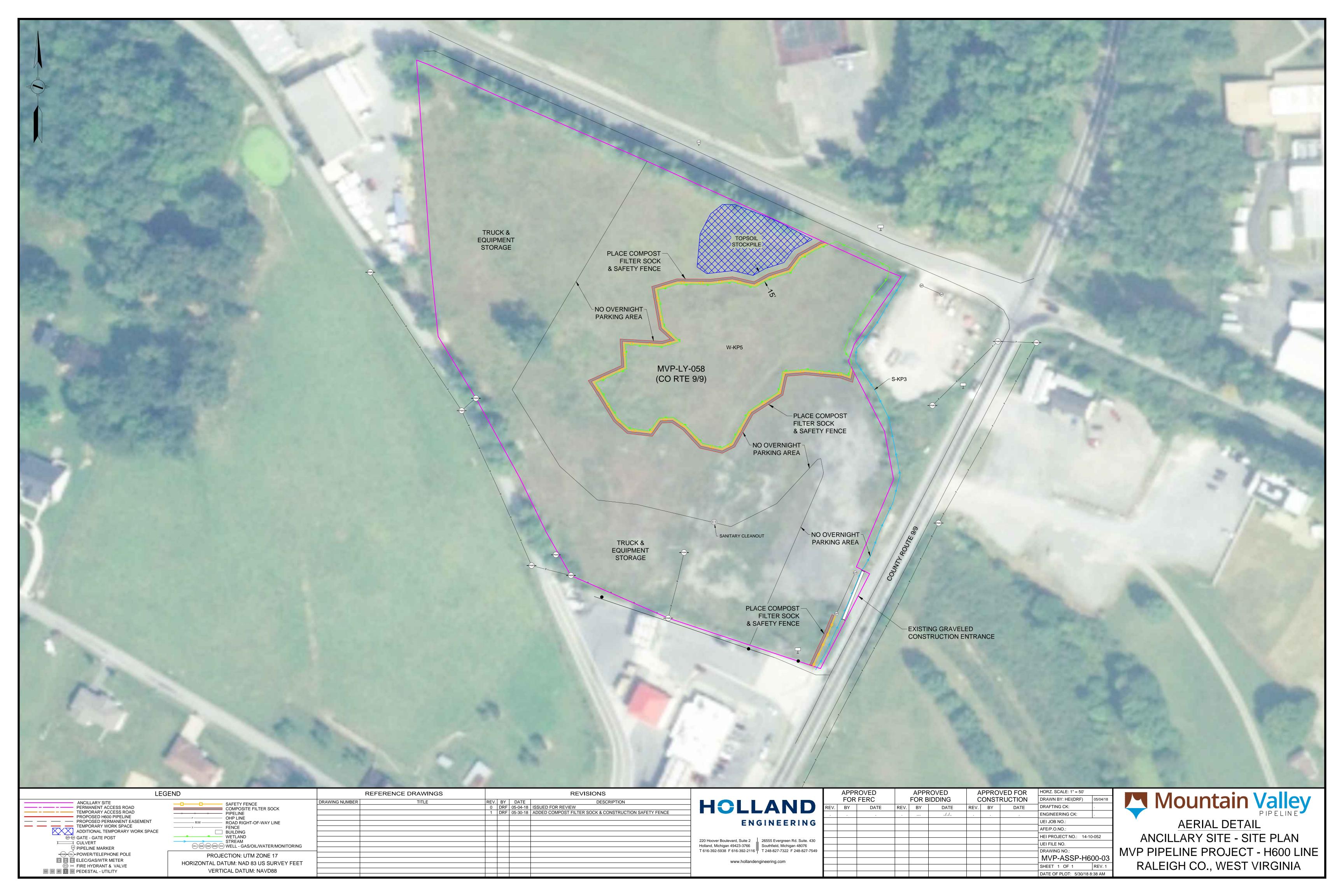


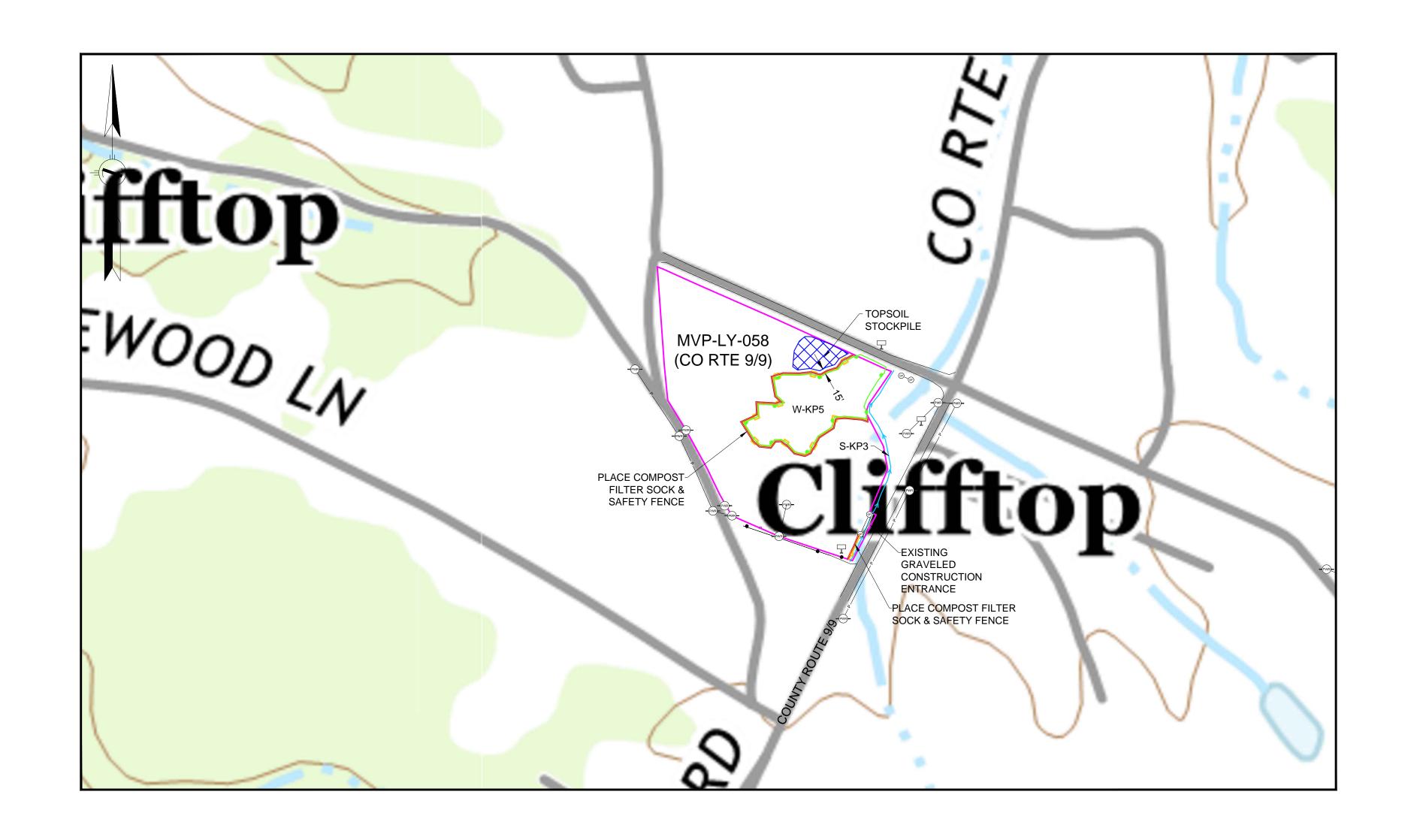
LEG	REF	ERENCE DRAWINGS					
ANCILLARY SITE PERMANENT ACCESS ROAD TEMPORARY ACCESS ROAD PROPOSED H600 PIPELINE PROPOSED PERMANENT EASEMENT TEMPORARY WORK SPACE ADDITIONAL TEMPORARY WORK SPACE  GO GATE - GATE POST CULVERT PIPELINE MARKER POWER/TELEPHONE POLE EM ELEC/GAS/WTR METER FIRE HYDRANT & VALVE PEDESTAL - UTILITY	SAFETY FENCE COMPOSITE FILTER SOCK PIPELINE OHP LINE ROAD RIGHT-OF-WAY LINE FENCE BUILDING WETLAND STREAM WETLAND STREAM WELL - GAS/OIL/WATER/MONITORING  PROJECTION: UTM ZONE 17 HORIZONTAL DATUM: NAD 83 US SURVEY FEET VERTICAL DATUM: NAVD88	DRAWING NUMBER	TITLE	0	DRF	DATE DESCRIPTION  05-04-18 ISSUED FOR VARIANCE  05-30-18 ADDED COMPOST FILTER SOCK & CONSTRUCTION SAFETY FENCE	220 Hoover E Holland, Mich T 616-392-59

		APPROVED			APPROVED			\PPRO\	VED FOR	HORZ. SCALE: 1" = 200'		
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220 Hoover Boulevard, Suite 2 Holland, Michigan 49423-3766 Ze555 Evergreen Rd. Suite. 430 Southfield, Michigan 48076												i
T 616-392-5938 F 616-392-2116 T 248-827-7322 F 248-827-7549  www.hollandengineering.com	) <u> </u>									DRAWING NO.: MVP-ADAS-H6	600-20	M
										SHEET 1 OF 1	REV. 1	İ
										DATE OF PLOT: 5/30/18	8:44 AM	i



MVP PIPELINE PROJECT - H600 LINE RALEIGH CO., WEST VIRGINIA





LEG	END	REFERE	NCE DRAWINGS		REVISIONS		APPROVED	APPROVED	APPROVED FOR	HORZ. SCALE: 1" = 200'	
ANCILLARY SITE PERMANENT ACCESS ROAD	SAFETY FENCE COMPOSITE FILTER SOCK	DRAWING NUMBER	TITLE	REV. BY DATE	DESCRIPTION	HOLLAND	FOR FERC	FOR BIDDING	CONSTRUCTION	DRAWN BY: HEI(DRF) 04/27/18	Mountain Valley I
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TEMPORARY WORK SPACE  ADDITIONAL TEMPORARY WORK SPACE	FENCE BUILDING WETLAND									AFE/P.O.NO.:	
⊕-⊕ GATE - GATE POST ☐ CULVERT	WETLAND STREAM WELL - GAS/OIL/WATER/MONITORING					220 Hoover Boulevard, Suite 2 26555 Evergreen Rd. Suite. 430				HEI PROJECT NO.: 14-10-052  UEI FILE NO.	PROPOSED ANCILLARY SITE
$\stackrel{oxtimes}{ o}$ PIPELINE MARKER						Holland, Michigan 49423-3766 Southfield, Michigan 48076 T 616-392-5938 F 616-392-2116 T 248-827-7322 F 248-827-7549				DRAWING NO.:	MVP PIPELINE PROJECT - H600 LINE
	PROJECTION: UTM ZONE 17					www.hollandengineering.com				MVP-ADAS-H600-20	
<ul><li>☐ ☐ ☐ ELEC/GAS/WTR METER</li><li>⑥ ⋈ FIRE HYDRANT &amp; VALVE</li><li>☐ ☐ ☐ ☐ ☐ ☐ PEDESTAL - UTILITY</li></ul>	HORIZONTAL DATUM: NAD 83 US SURVEY FEET  VERTICAL DATUM: NAVD88					s.ississingiissiinigissiini				SHEET 1 OF 1 REV. 1	RALEIGH CO., WEST VIRGINIA
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Rare, Threatened, and Endangered Species Report Attachment 2

## Mountain Valley Pipeline Project Variance E-4 April 12, 2018

State and federal agencies identified areas where plant surveys were required. This variance does not occur in any of those areas.

There are no Impacts to aquatic resources associated with this variance.

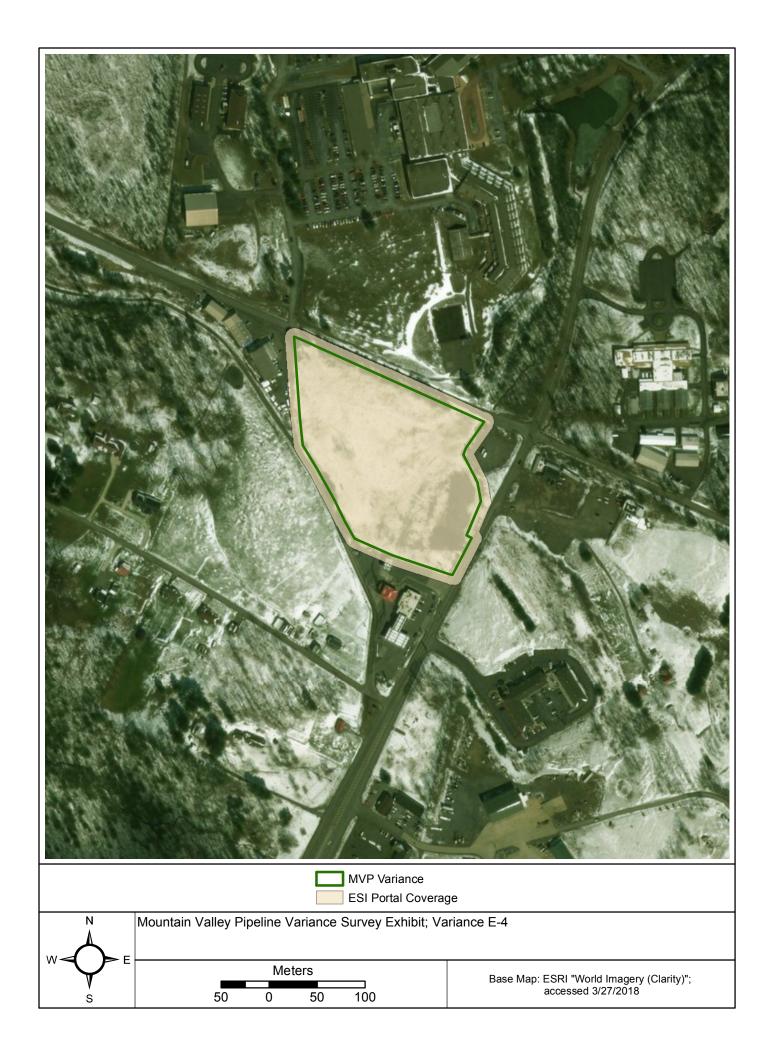
The only avian species-specific presence-absence surveys required for the project are scrub-shrub habitat-specific in the state of Virginia. That habitat type is not present at this location in Raleigh, West Virginia.

There is a net increase in tree clearing of 0.01 acres. The modification of the tree clearing results in a net increase of 0.01 acres of MYSO - Unknown Use Summer Habitat (UUSH) impacts. On January 29, 2018 the USFWS concurred with MVP's proposed process for reviewing variances that require tree clearing. Table 1 includes a table that shows MVP's acreage "banks" will remain net positive following approval of this variance request. Tree clearing will not occur between June 1 and July 31 or October 1 and November 14 as per the BO.

On 3/21/2018, Environmental Solutions and Innovations, Inc. (ESI) conducted field surveys to search for portal openings (winter bat habitat). Surveys were conducted in accordance with agency approved protocols for the project. No portal openings were observed in the variance area.

Table 1
Bat Habitat Bank Acreage

	MYSO - Known Summer Use Habitat (acres)	MYSO - Known use spring staging/fall swarming habitat (acres)	MYSO - Suitable Unoccupied Summer Habitat (acres)	MYSO - Unknown use spring staging/fall swarming habitat (acres)	MYSO - Unknown Use Summer Habitat (acres)	NLEB known use spring staging/fall swarming habitat (acres)
Remaining bank acreage from IP-5 table	0.37	1.47	13.04	6.81	13.79	0.59
Bradshaw ATWS	0.02	0.00	0.00	0.00	0.00	0.00
ATWS 1544	0.03	0.00	0.00	0.00	0.00	0.00
ATWS 1545	0.10	0.00	0.00	0.00	0.00	0.00
LY-27	0.00	0.00	0.00	0.00	0.15	0.00
LY-45/46	0.00	0.00	0.00	0.00	0.05	0.00
Variance A-4 - MP 24.6	0.00	0.00	0.00	0.00	0.06	0.00
Bradshaw Slip Repair Phase 1	0.22	0.00	0.00	0.00	0.00	0.00
Variance A-5 - MP 28.97	0.00	0.00	-0.51	0.00	0.09	0.00
Variance H-3 - MP 234.85	0.00	0.00	0.91	0.00	0.00	0.00
Variance F-3 - MP 159.27	0.00	0.00	-0.42	0.00	0.00	0.00
Variance H-2 - MP 240.00	0.00	0.00	0.09	0.00	2.74	0.00
Variance E-4 - LY-058	0.00	0.00	0.00	0.00	0.01	0.00
Variance E-5 - MP 133.46	0.00	0.00	0.27	0.00	0.00	0.00
Variance I-2 - MP-268.8	0.00	0.00	0.00	0.00	0.45	0.00
Variance I-4 - MP 300.7	0.00	0.00	0.00	0.00	0.18	0.00
Variance G-3 - MP 224.1	0.00	0.00	0.00	1.67	0.00	0.00
Variance B-2 - MP 42.7	0.00	0.00	1.45	0.00	0.00	0.00
Variance H-5 - MP 257.9 & 258.2	0.00	0.00	0.39	0.00	0.00	0.00
Variance I-5 - MP 261.47	0.00	0.00	-0.25	0.00	0.00	0.00
Variance H-6 - MP 235.58	0.00	0.00	0.39	0.00	0.20	0.00
Variance F-6 - MP 176.8	0.00	0.00	0.00	0.00	0.08	0.00
Variance D-4 - MP 110.1	0.00	0.00	0.08	0.00	0.00	0.00
Variance E-6 - MP 143.9	0.00	0.00	0.00	0.00	0.08	0.00
Variance F-5 MP 166.07	0.00	0.00	0.24	0.00	0.00	0.00
Net Remaining Acreage for variances to date	0.00	1.47	10.40	5.14	9.70	0.59



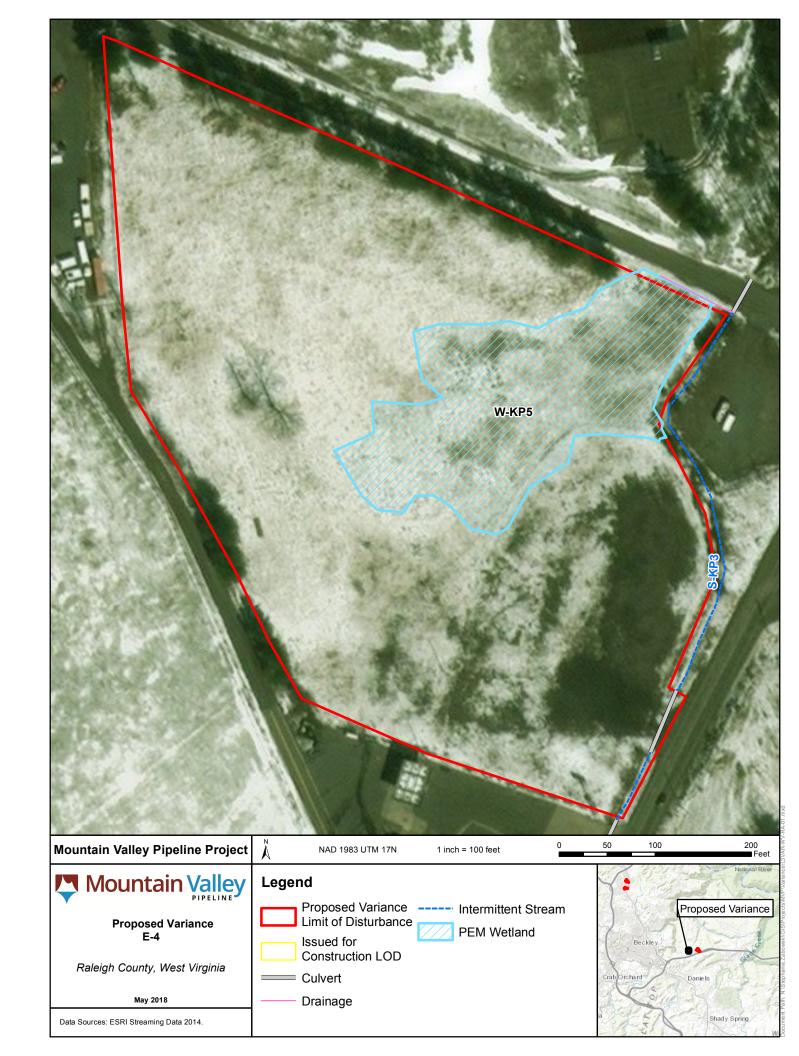
Waterbodies and Wetlands Report Attachment 3

## Mountain Valley Pipeline Project Variance E-3 May 21, 2018

On March 28, 2018, Tetra Tech, Inc. (Tetra Tech) surveyed approximately 7.5 acres at the proposed variance in Raleigh Co., WV for wetlands and streams. Wetland delineations were conducted utilizing the Routine On-Site Determination Methodology presented in the US Army Corps of Engineers (USACE) Wetland Delineation Manual (Technical Report Y-87-1) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0).

During field surveys, Tetra Tech identified one palustrine emergent (PEM) wetland (W-KP5) and one intermittent stream (S-KP3) in the survey area as shown on the attached figure.





> Pipeline Variance Request Map Attachment 6

