

**Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000**

**Implementation Plan
December 2017 Supplement**

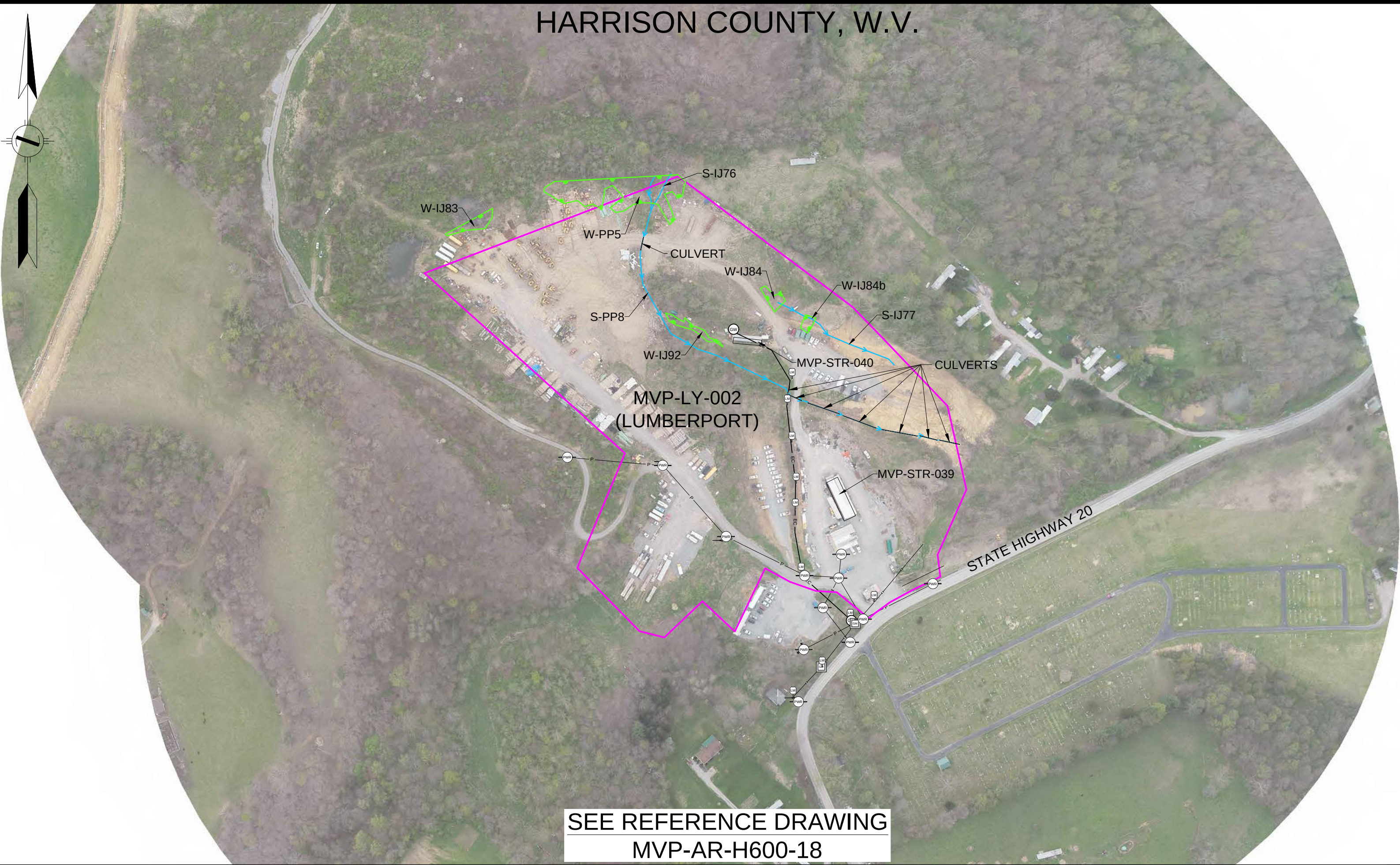
**Attachment IP-4a
Ancillary Detail Maps 02**

WETZEL COUNTY, W.V.



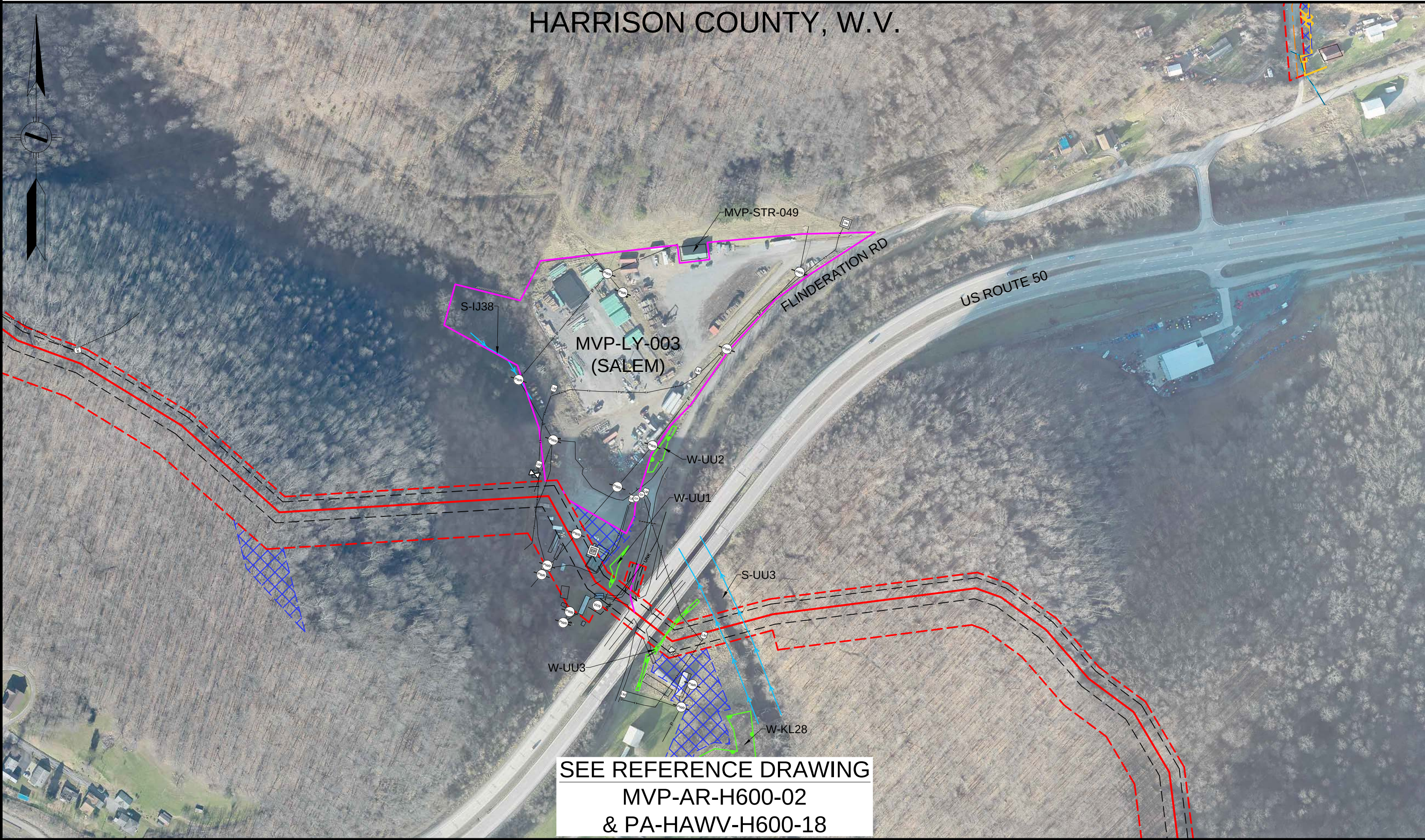
SEE REFERENCE DRAWING
MVP-AR-H600-18

HARRISON COUNTY, W.V.



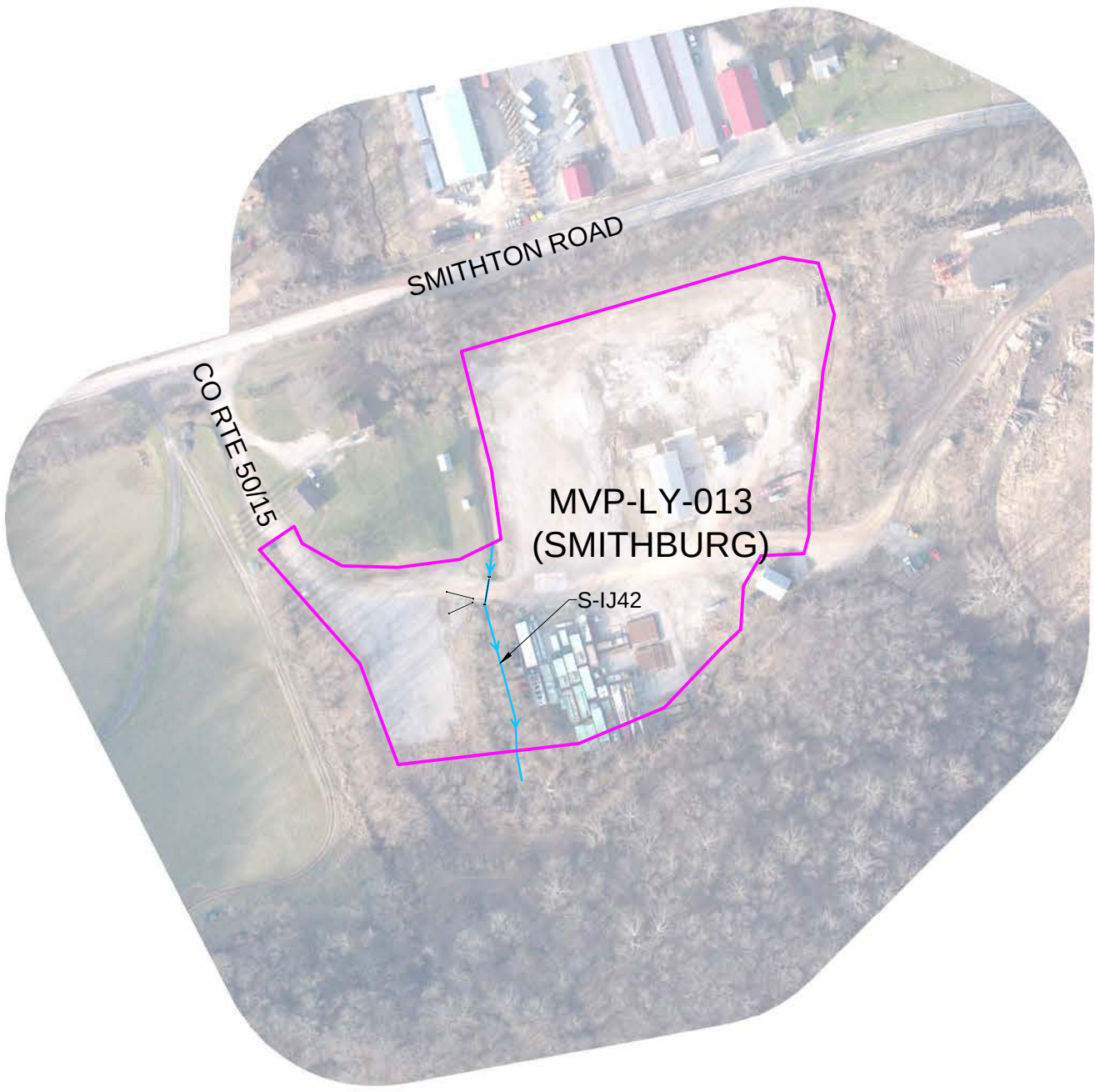
SEE REFERENCE DRAWING
MVP-AR-H600-18

HARRISON COUNTY, W.V.



SEE REFERENCE DRAWING
MVP-AR-H600-02
& PA-HAWV-H600-18

DODDRIDGE COUNTY, W.V.



SEE REFERENCE DRAWING
MVP-AR-H600-18

LEGEND	
	ANCILLARY SITE
	PERMANENT ACCESS ROAD
	TEMPORARY ACCESS ROAD
	PROPOSED H600 PIPELINE
	PROPOSED PERMANENT EASEMENT
	TEMPORARY WORK SPACE
	ADDITIONAL TEMPORARY WORK SPACE
	GATE - GATE POST
	CULVERT
	PIPELINE MARKER
	POWER/TELEPHONE POLE
	ELEC/GASWTR METER
	FIRE HYDRANT & VALVE
	PEDESTAL - UTILITY
	PIPELINE
	FENCE
	WATER LINE
	CHP LINE
	ROAD RIGHT-OF-WAY LINE
	UNKNOWN UNDERGROUND UTILITY
	BUILDING
	WETLAND
	STREAM
	WELL - GAS/OIL/WATER/MONITORING
PROJECTION: UTM ZONE 17 HORIZONTAL DATUM: NAD 83 US SURVEY FEET VERTICAL DATUM: NAVD88	

REFERENCE DRAWINGS	
DRAWING NUMBER	TITLE
MVP-AR-H600-02	OVERALL QUAD MAP
PA-HAWV-H600-18	ALIGNMENT SHEET
MVP-QDAR-H600-10	ACCESS ROAD DETAIL MAP
SSRA-H600-01	RECREATIONAL SITE SPECIFIC

REVISIONS			
REV.	BY	DATE	DESCRIPTION
0	DRF	10-15-15	REV 4.0.0. ISSUED TO FERC
1	DRF	01-13-16	FERC DATA REQUEST No.1
2	DRF	04-21-16	FERC DATA REQUEST No.2
3	DRF	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC
4	DRF	11-27-17	ISSUED FOR CONSTRUCTION

HOLLAND
ENGINEERING

220 Hoover Boulevard, Suite 2
Holland, Michigan 49423-3766
T 616-392-5938 F 616-392-2116

26555 Evergreen Rd., Suite. 430
Southfield, Michigan 48076
T 248-827-7322 F 248-827-7549

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APPROVED FOR FERC			APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION			HORIZ. SCALE: 1" = 200'	
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE	DRAWN BY: HEI(DRF)	
0	RRR	10-15-15				4	JJS	11-27-17	09/27/15	
3	RRR	10-14-16							ENGINEERING CK:	
4	JJS	11-27-17							UEI JOB NO.:	
									AFE/P.O. NO.:	
									HEI PROJECT NO.: 14-10-052	
									UEI FILE NO.:	
									DRAWING NO.:	
									MVP-ADAS-H600-01	
									SHEET 1 OF 7	
									REV. 4	
									DATE OF PLOT: 11/16/17 8:12 AM	

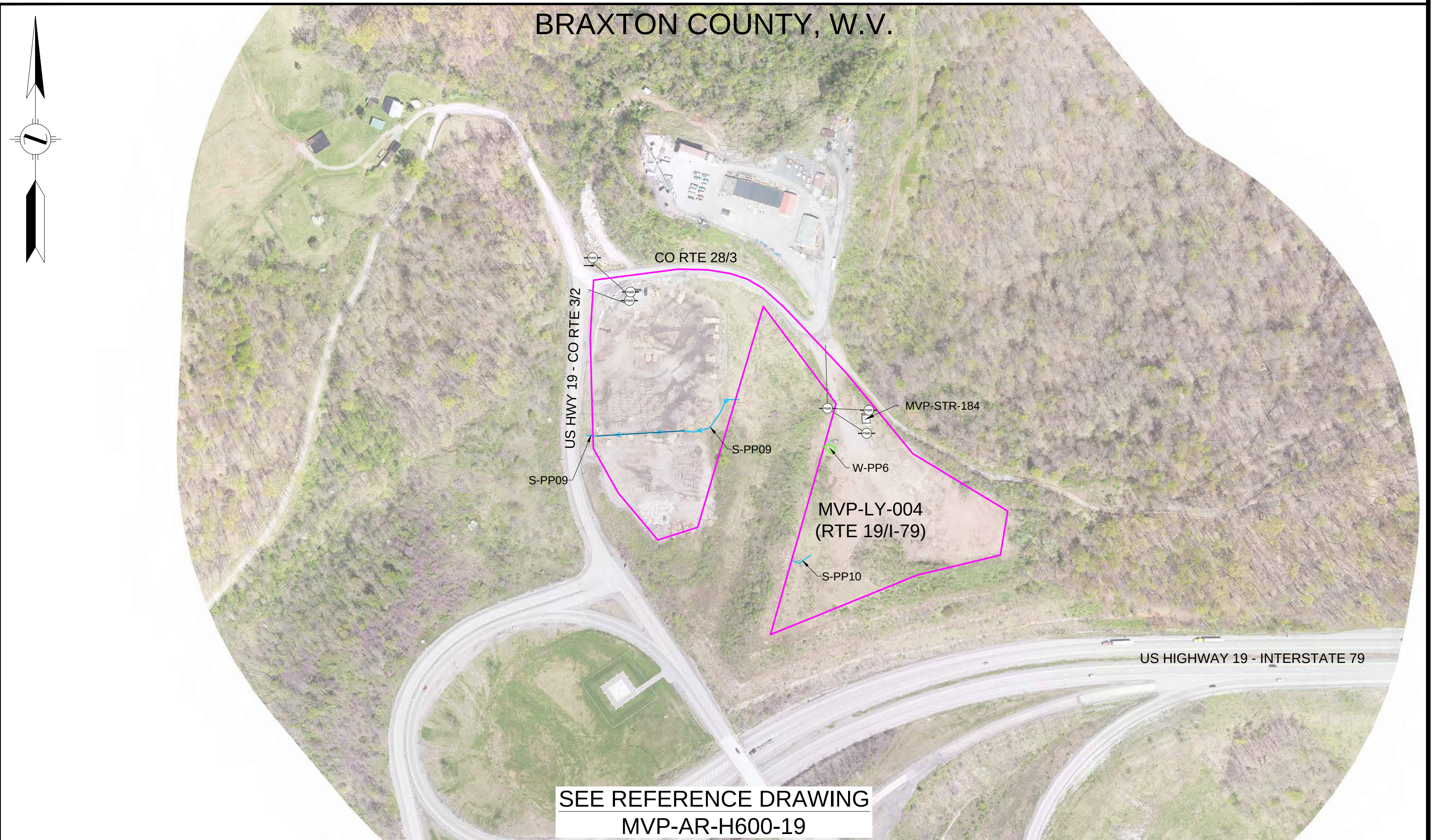
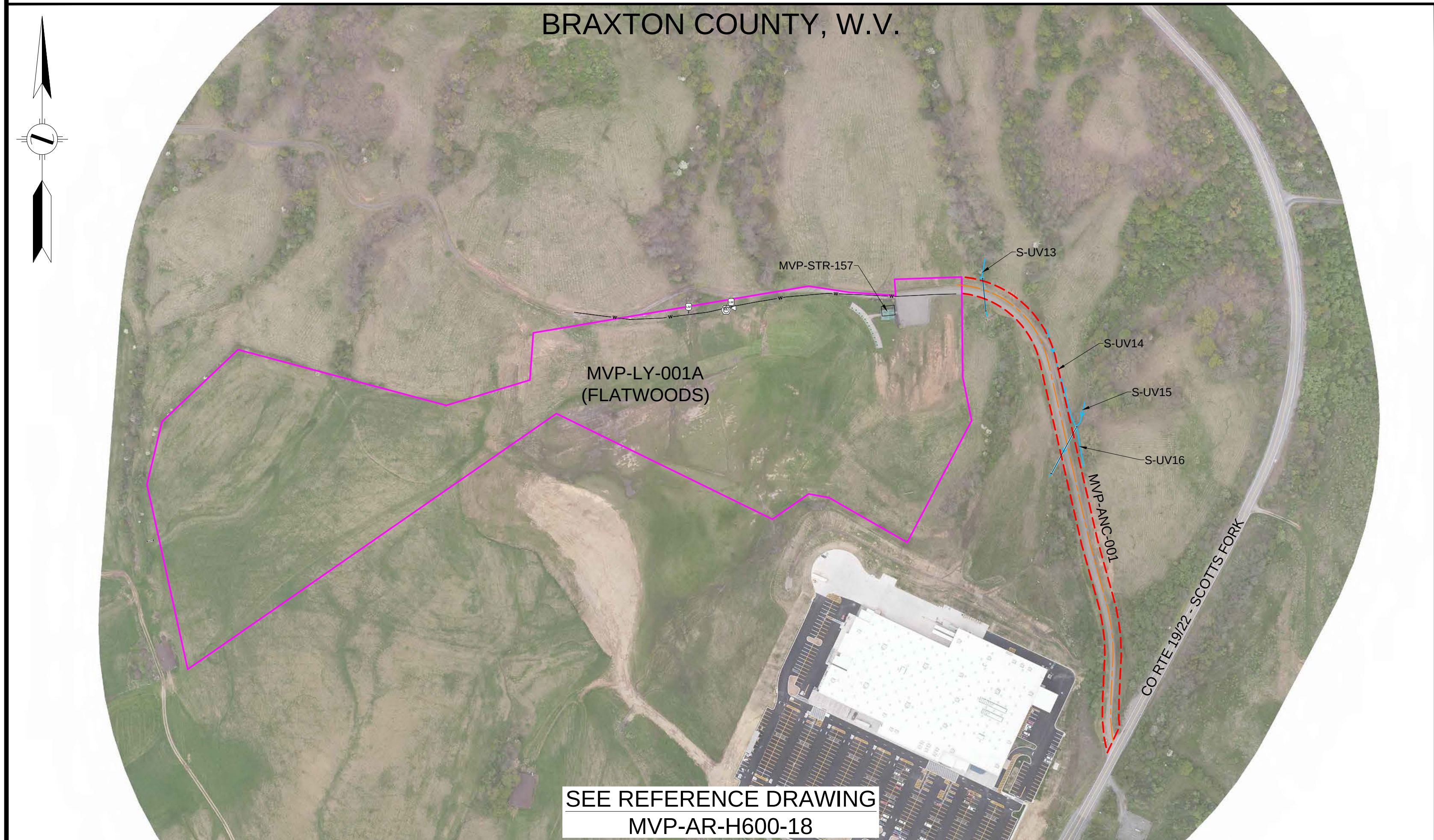
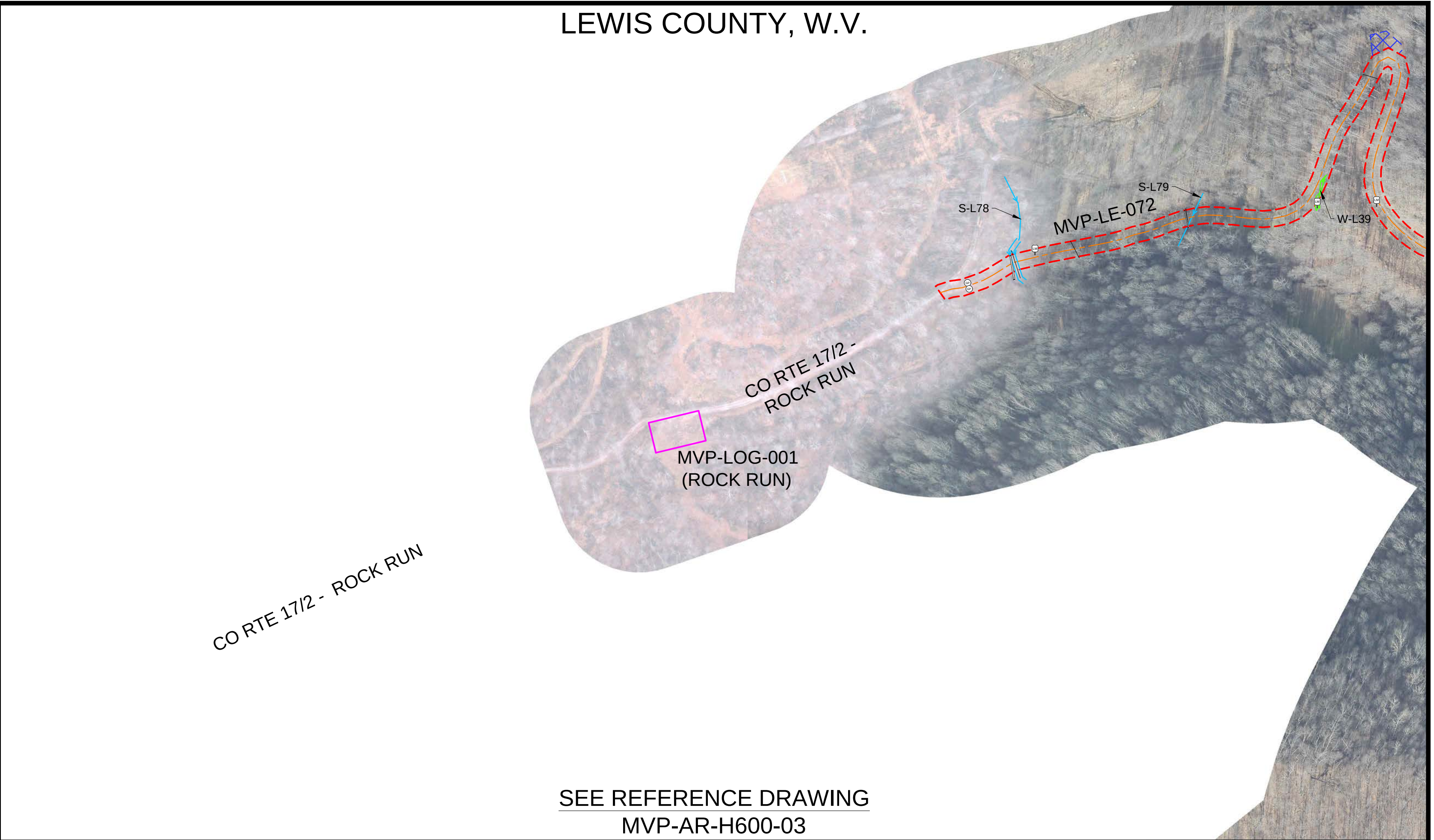
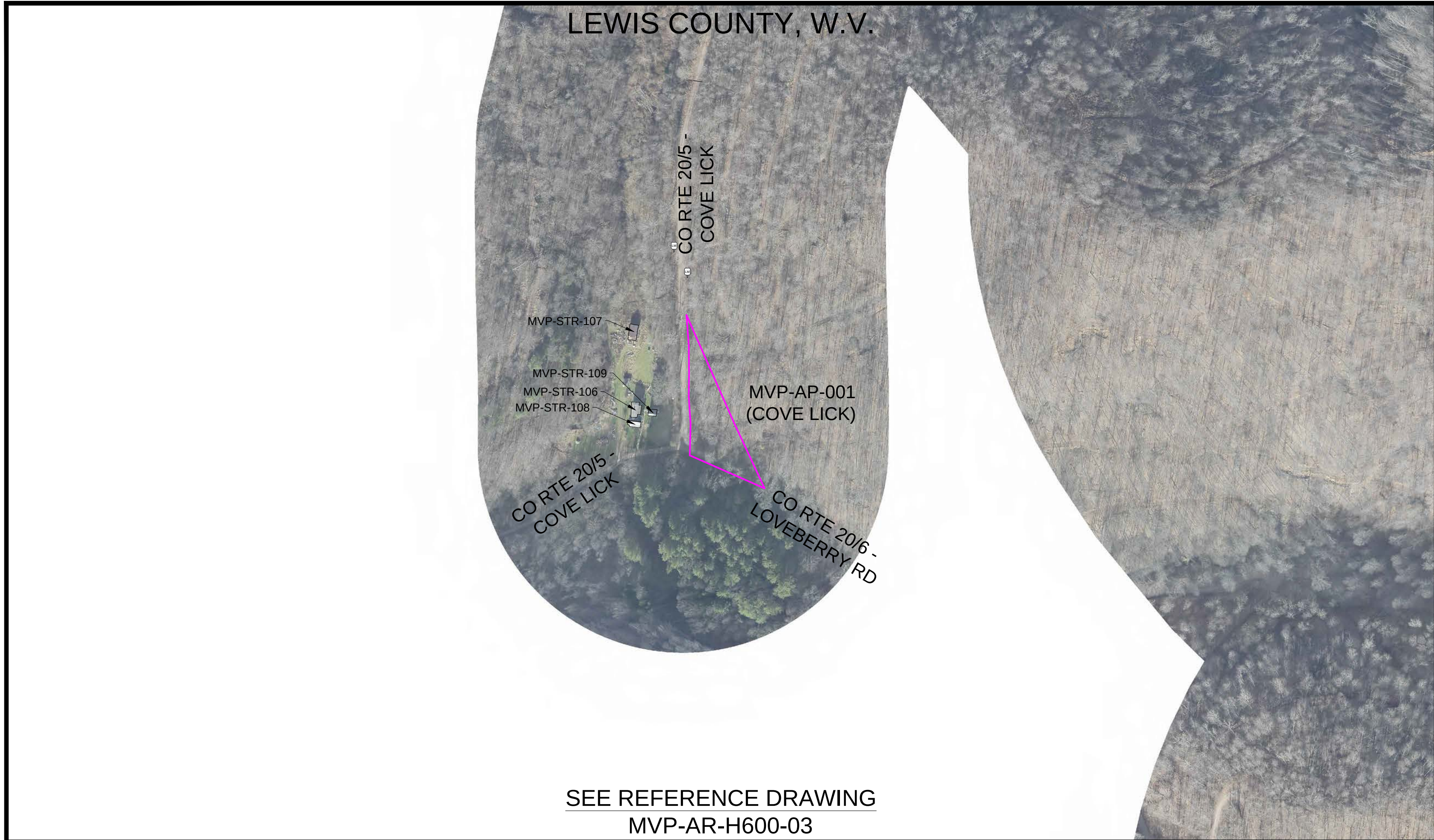
Mountain Valley
PIPELINE

AERIAL DETAILS

PROPOSED ANCILLARY SITES

MVP PIPELINE PROJECT - H600 LINE

WEST VIRGINIA



LEGEND		REFERENCE DRAWINGS		REVISIONS			
	ANCILLARY SITE		MVP-AR-H600-03	0	DRF	10-15-15	REV 4.0.0. ISSUED TO FERC
	PERMANENT ACCESS ROAD		MVP-AR-H600-19	1	DRF	01-13-16	FERC DATA REQUEST No.1
	TEMPORARY ACCESS ROAD		MVP-QDAR-H600-17	2	DRF	04-21-16	FERC DATA REQUEST No.2
	PROPOSED H600 PIPELINE		MVP-QDAR-H600-18	3	DRF	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC
	PROPOSED PERMANENT EASEMENT			4	DRF	11-27-17	ISSUED FOR CONSTRUCTION
	TEMPORARY WORK SPACE						
	ADDITIONAL TEMPORARY WORK SPACE						
	GATE - GATE POST						
	CULVERT						
	PIPELINE MARKER						
	POWER/TELEPHONE POLE						
	ELEC/GAS/WTR METER						
	FIRE HYDRANT & VALVE						
	PEDESTAL - UTILITY						
	PIPELINE						
	FENCE						
	WATER LINE						
	CHP LINE						
	ROAD RIGHT-OF-WAY LINE						
	UNKNOWN UNDERGROUND UTILITY						
	BUILDING						
	WETLAND						
	STREAM						
	WELL - GAS/OIL/WATER/MONITORING						
PROJECTION: UTM ZONE 17 HORIZONTAL DATUM: NAD 83 US SURVEY FEET VERTICAL DATUM: NAVD88							

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Southfield, Michigan 48076
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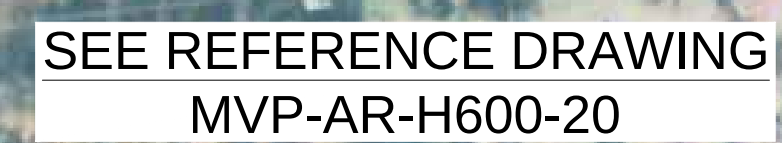
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APPROVED FOR FERC			APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION		
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
0	RRR	10-15-15				4	JJS	11-27-17
3	RRR	10-14-16						
4	JJS	11-27-17						

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	09/27/15
DRAFTING CK:	
ENGINEERING CK:	
UIE JOB NO.:	
AFE/P.O. NO.:	
HEI PROJECT NO.:	14-10-052
UIE FILE NO.:	
DRAWING NO.:	MVP-ADAS-H600-02
SHEET 2 OF 7	REV. 4
DATE OF PLOT: 11/16/17 8:13 AM	

Mountain Valley PIPELINE

AERIAL DETAILS
PROPOSED ANCILLARY SITES
MVP PIPELINE PROJECT - H600 LINE
WEST VIRGINIA



LEGEND				REFERENCE DRAWINGS			REVISIONS				
	ANCILLARY SITE		PIPELINE	DRAWING NUMBER	OVERALL QUAD MAP	TITLE	REV.	BY	DATE	DESCRIPTION	
	PERMANENT ACCESS ROAD		FENCE	MVP-AR-H600-06	OVERALL QUAD MAP		0	DRF	10-15-15	ISSUED TO FERC	
	TEMPORARY ACCESS ROAD		WATER LINE	MVP-AR-H600-19	OVERALL QUAD MAP		1	DRF	01-13-16	FERC DATA REQUEST No.1	
	PROPOSED H600 PIPELINE		QHP LINE	MVP-AR-H600-20	OVERALL QUAD MAP		2	DRF	04-21-16	FERC DATA REQUEST No.2	
	PROPOSED PERMANENT EASEMENT		RIGHT-OF-WAY LINE	MVP-QDAR-H600-44	ACCESS ROAD DETAIL MAP		3	DRF	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC	
	TEMPORARY WORK SPACE		UNKNOWN UNDERGROUND UTILITY				4	DRF	11-27-17	ISSUED FOR CONSTRUCTION	
	ADDITIONAL TEMPORARY WORK SPACE		BUILDING								
	GATE - GATE POST		WETLAND								
	CULVERT		STREAM								
	PIPELINE MARKER		WELL - GAS/OIL/WATER/MONITORING								
	POWER/TELEPHONE POLE										
	ELECTRICITY METER										
	FIRE HYDRANT & VALVE										
	PEDESTAL - UTILITY										
PROJECTION: UTM ZONE 17 HORIZONTAL DATUM: NAD 83 US SURVEY FEET VERTICAL DATUM: NAVD88											



220 Hoover Boulevard, Suite 2
Holland, Michigan 49423-3766
T 616-392-5938 F 616-392-2116

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T 482-827-7322 F 248-827-7541

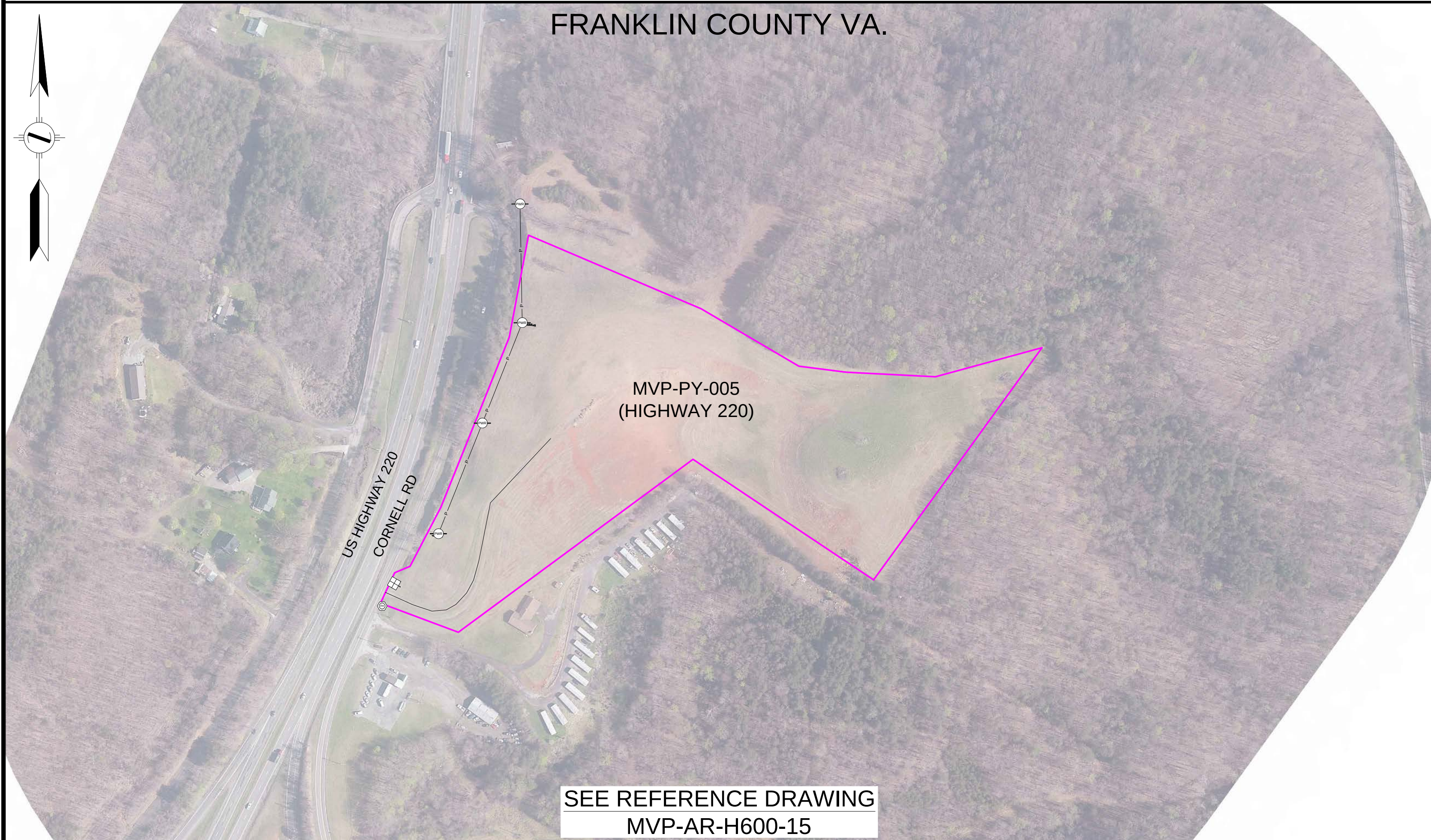
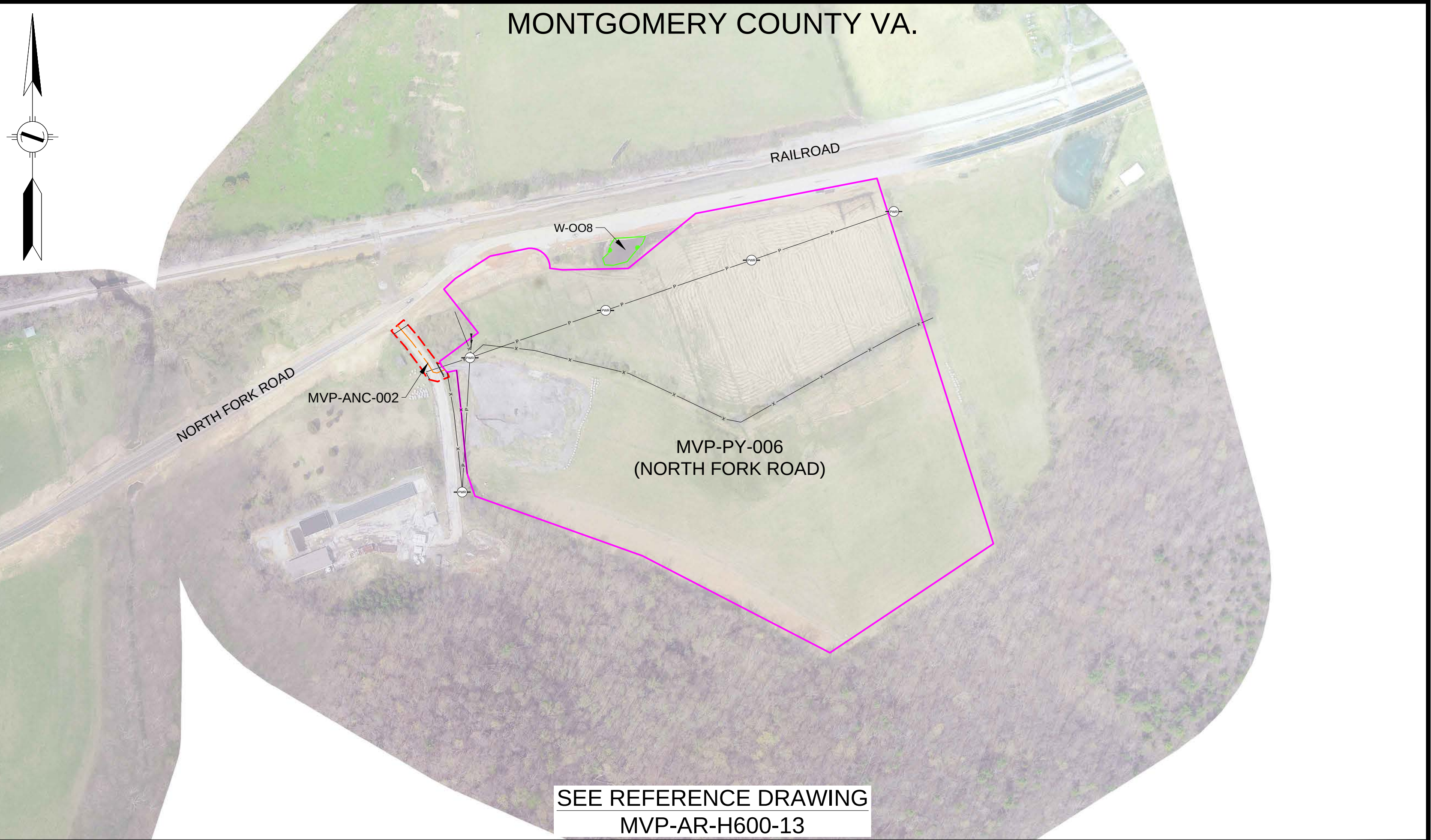
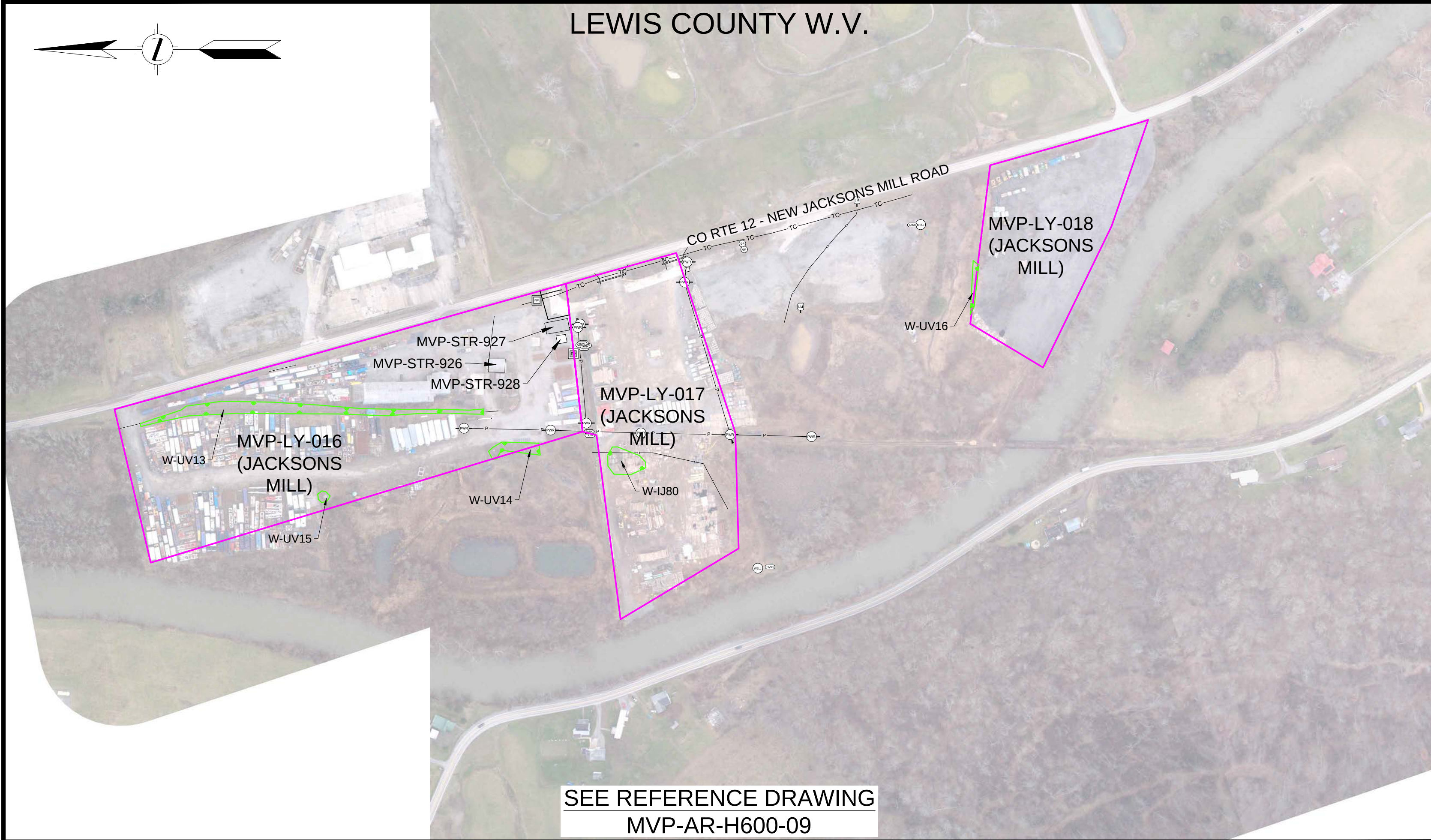
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APPROVED FOR FERC			APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION			HORIZ. SCALE: 1" = 200' DRAWN BY: HEI(DRF) 09/27/17	
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE	DRAFTING CK: ENGINEERING CK:	
0	RRR	10-15-15			J.D.	4	JJS	11-27-17	UEI JOB NO.: AFE/P.O. NO.: HEI PROJECT NO.: 14-10-052 UEI FILE NO.: DRAWING NO.: MVP-ADAS-H600-0	
3	RRR	10-14-16							SHEET 3 OF 7 DATE OF PLOT: 11/6/17 8:13 AM	
4	JJS	11-27-17							REV.	



Mountain Valley
PIPELINE

3
AERIAL DETAILS
PROPOSED ANCILLARY SITES
MVP PIPELINE PROJECT - H600 LINE
WEST VIRGINIA(W.V.) & VIRGINIA(VA.)



LEGEND	
	ANCILLARY SITE
	PERMANENT ACCESS ROAD
	TEMPORARY ACCESS ROAD
	PROPOSED H600 PIPELINE
	PROPOSED PERMANENT EASEMENT
	TEMPORARY WORK SPACE
	ADDITIONAL TEMPORARY WORK SPACE
	GATE - GATE POST
	CULVERT
	PIPELINE MARKER
	POWER/TELEPHONE POLE
	ELEC/GAS/WTR METER
	FIRE HYDRANT & VALVE
	PEDESTAL - UTILITY
	PIPELINE
	FENCE
	WATER LINE
	CHP LINE
	ROAD RIGHT-OF-WAY LINE
	UNKNOWN UNDERGROUND UTILITY
	WETLAND
	STREAM
	WELL - GAS/OIL/WATER/MONITORING
PROJECTION: UTM ZONE 17 HORIZONTAL DATUM: NAD 83 US SURVEY FEET VERTICAL DATUM: NAVD88	

REFERENCE DRAWINGS	
DRAWING NUMBER	TITLE
MVP-AR-H600-03	OVERALL QUAD MAP
MVP-AR-H600-13	OVERALL QUAD MAP
MVP-AR-H600-15	OVERALL QUAD MAP
MVP-QDAR-H600-19	ACCESS ROAD DETAIL MAP
MVP-QDAR-H600-93	ACCESS ROAD DETAIL MAP

REVISIONS	
REV.	DESCRIPTION
0	DRF 10-15-15 REV 4.0.0. ISSUED TO FERC
1	DRF 01-13-16 FERC DATA REQUEST NO.1
2	DRF 04-21-16 FERC DATA REQUEST NO.2
3	DRF 10-14-16 OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC
4	DRF 11-27-17 ISSUED FOR CONSTRUCTION

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220 Hoover Boulevard, Suite 2
Holland, Michigan 49423-3766
T 616-392-5938 F 616-392-2116

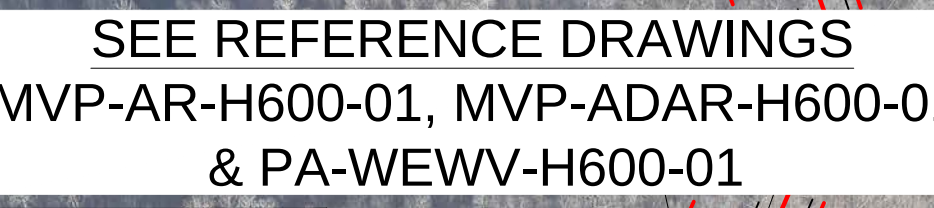
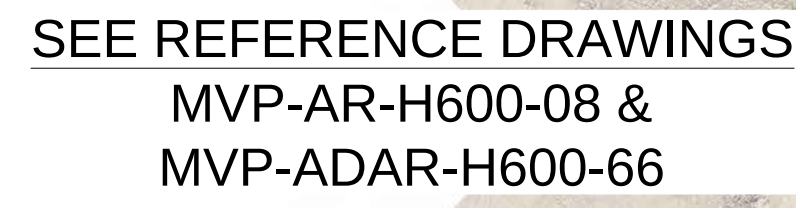
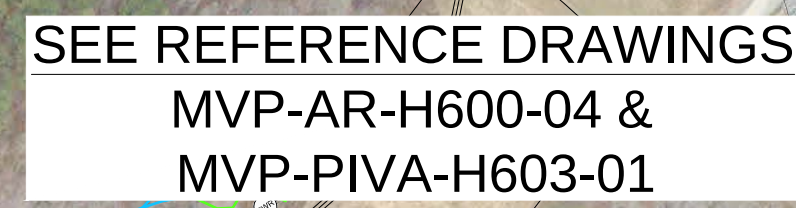
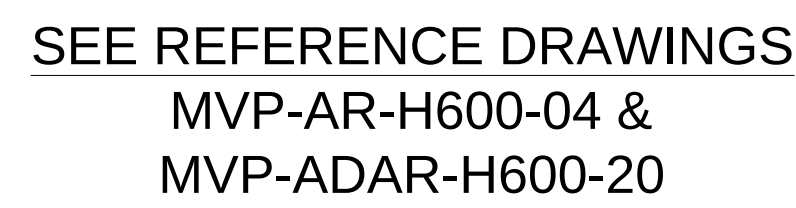
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Southfield, Michigan 48076
T 248-827-7322 F 248-827-7549

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REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
0	RRR	10-15-15				4	JJS	11-27-17
3	RRR	10-14-16						
4	JJS	11-27-17						

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	09/27/15
DRAFTING CK:	
ENGINEERING CK:	
UIE JOB NO.:	
AFE/P.O. NO.:	
HEI PROJECT NO.:	14-10-052
UIE FILE NO.:	
DRAWING NO.:	MVP-ADAS-H600-04
SHEET 4 OF 7	REV. 4
DATE OF PLOT:	11/16/17 8:14 AM

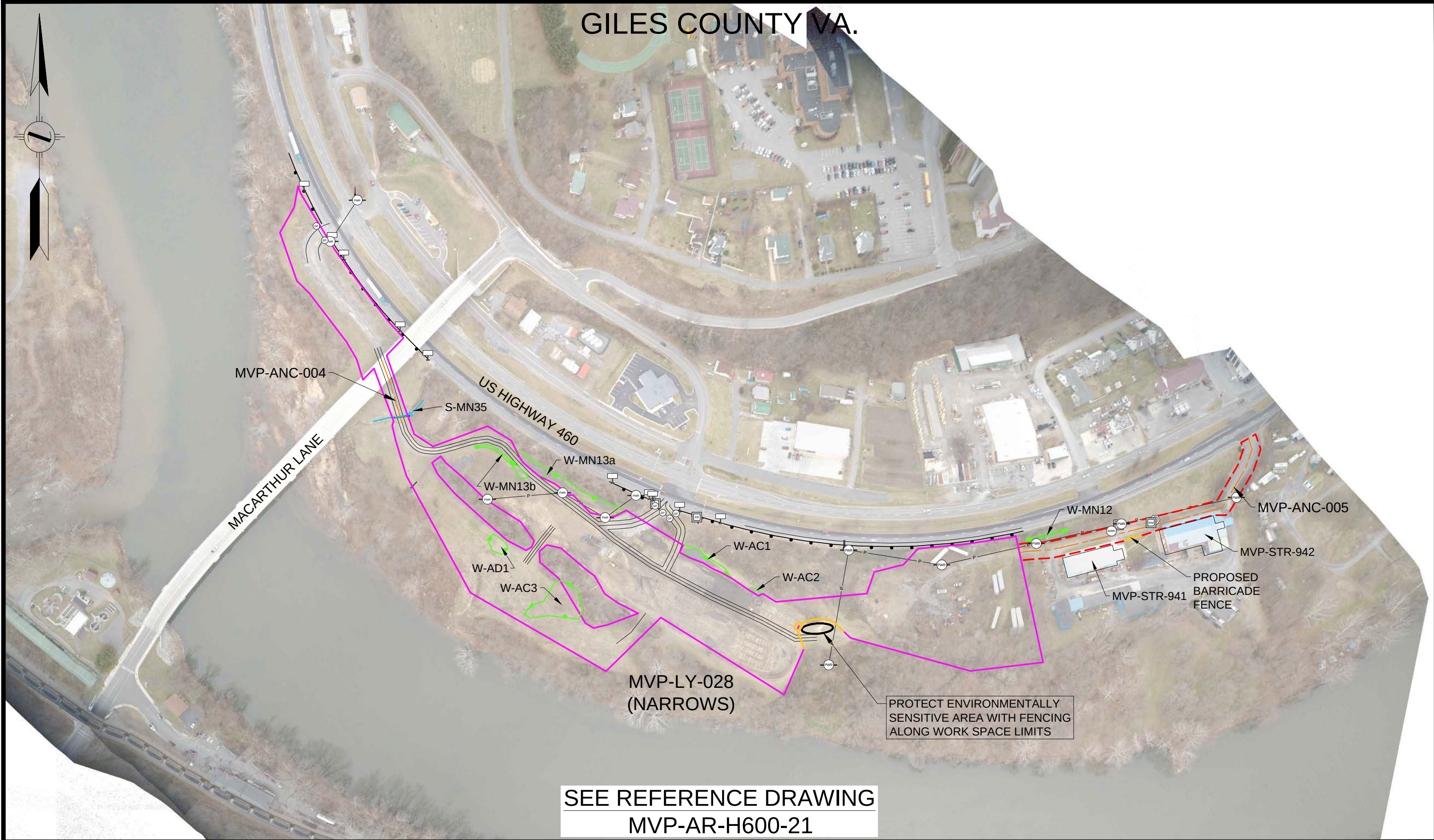
AERIAL DETAILS
PROPOSED ANCILLARY SITES
MVP PIPELINE PROJECT - H600 LINE
WEST VIRGINIA(W.V.) & VIRGINIA(VA.)



DRAWING NUMBER	TITLE	REV	BY	DATE	DESCRIPTION
MVP-AR-H600-01	OVERALL QUAD MAP	0	DRF	10-15-15	REV 4.0.0. ISSUED TO FERC
MVP-AR-H600-01	OVERALL QUAD MAP	1	DRF	01-13-16	FERC DATA REQUEST No.1
MVP-AR-H600-08	OVERALL QUAD MAP	2	DRF	04-21-16	FERC DATA REQUEST No.2
MVP-AR-H600-17	OVERALL QUAD MAP	3	DRF	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC
PA-PIVA-H600-20	ALIGNMENT SHEET	4	DRF	11-27-17	ISSUED FOR CONSTRUCTION
PA-PIVA-H602-01	ALIGNMENT SHEET				
PA-PIVA-H602-02	ALIGNMENT SHEET				
PA-PIVA-H603-01	ALIGNMENT SHEET				
PA-WRW-H600-01	ALIGNMENT SHEET				
MVP-QDAR-H600-01	ACCESS ROAD DETAIL MAP				
MVP-QDAR-H600-66	ACCESS ROAD DETAIL MAP				

 **Mountain Valley**
PIPELINE

AERIAL DETAILS
PROPOSED ANCILLARY SITES
MVP PIPELINE PROJECT - H600 LINE
WEST VIRGINIA(W.V.) & VIRGINIA(VA.)



LEGEND	
	ANCILLARY SITE
	PERMANENT ACCESS ROAD
	TEMPORARY ACCESS ROAD
	PROPOSED H600 PIPELINE
	PROPOSED PERMANENT EASEMENT
	TEMPORARY WORK SPACE
	ADDITIONAL TEMPORARY WORK SPACE
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	CULVERT
	PIPELINE MARKER
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	FIRE HYDRANT & VALVE
	PEDESTAL - UTILITY
	PIPELINE
	FENCE
	WATER LINE
	CHP LINE
	ROAD RIGHT-OF-WAY LINE
	UNKNOWN UNDERGROUND UTILITY
	BUILDING
	WETLAND
	STREAM
	WELL - GAS/OIL/WATER/MONITORING

REFERENCE DRAWINGS	
DRAWING NUMBER	TITLE
MVP-AR-H600-21	OVERALL QUAD MAP
MVP-QDAR-H600-81	ACCESS ROAD DETAIL MAP

REVISIONS	
REV.	DESCRIPTION
0	DRF 10-15-15 REV 4.0.0. ISSUED TO FERC
1	DRF 01-13-16 FERC DATA REQUEST No.1
2	DRF 04-21-16 FERC DATA REQUEST No.2
3	DRF 10-14-16 OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC
4	DRF 11-27-17 ISSUED FOR CONSTRUCTION

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ENGINEERING

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Holland, Michigan 49423-3766
T 616-392-5938 F 616-392-2116

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Southfield, Michigan 48076
T 248-827-7322 F 248-827-7549

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0	RRR	10-15-15				4	JJS	11-27-17
3	RRR	10-14-16						
4	JJS	11-27-17						

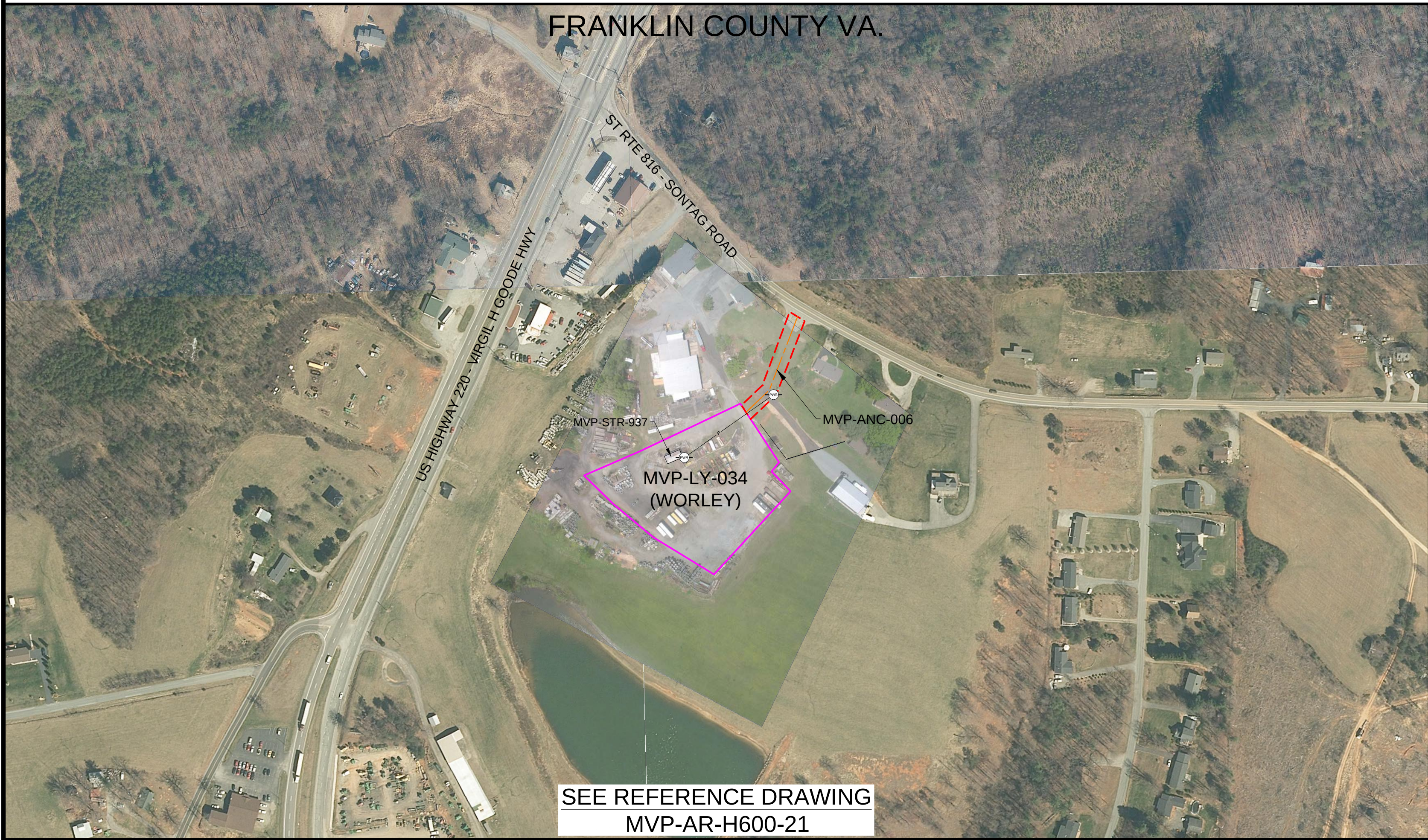
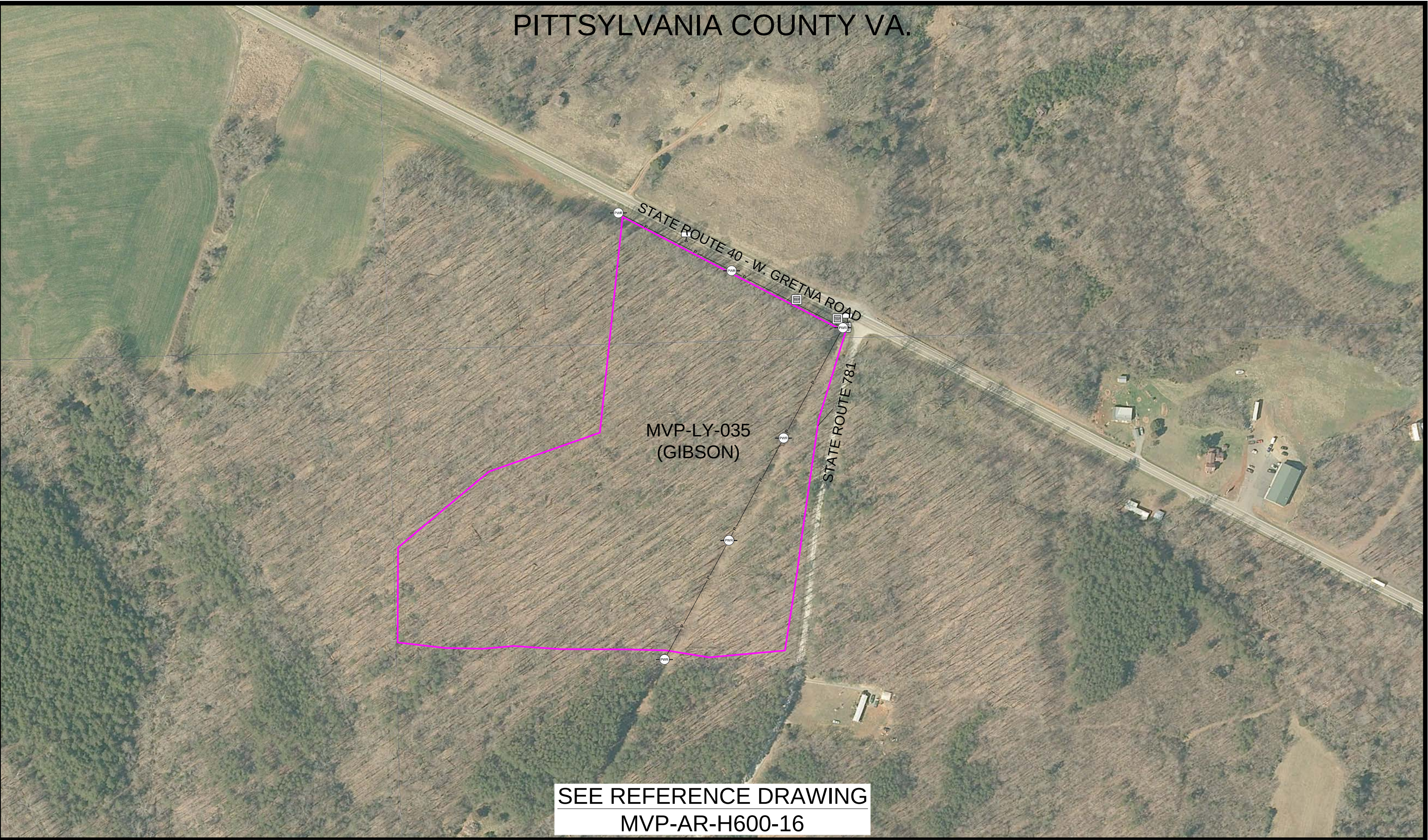
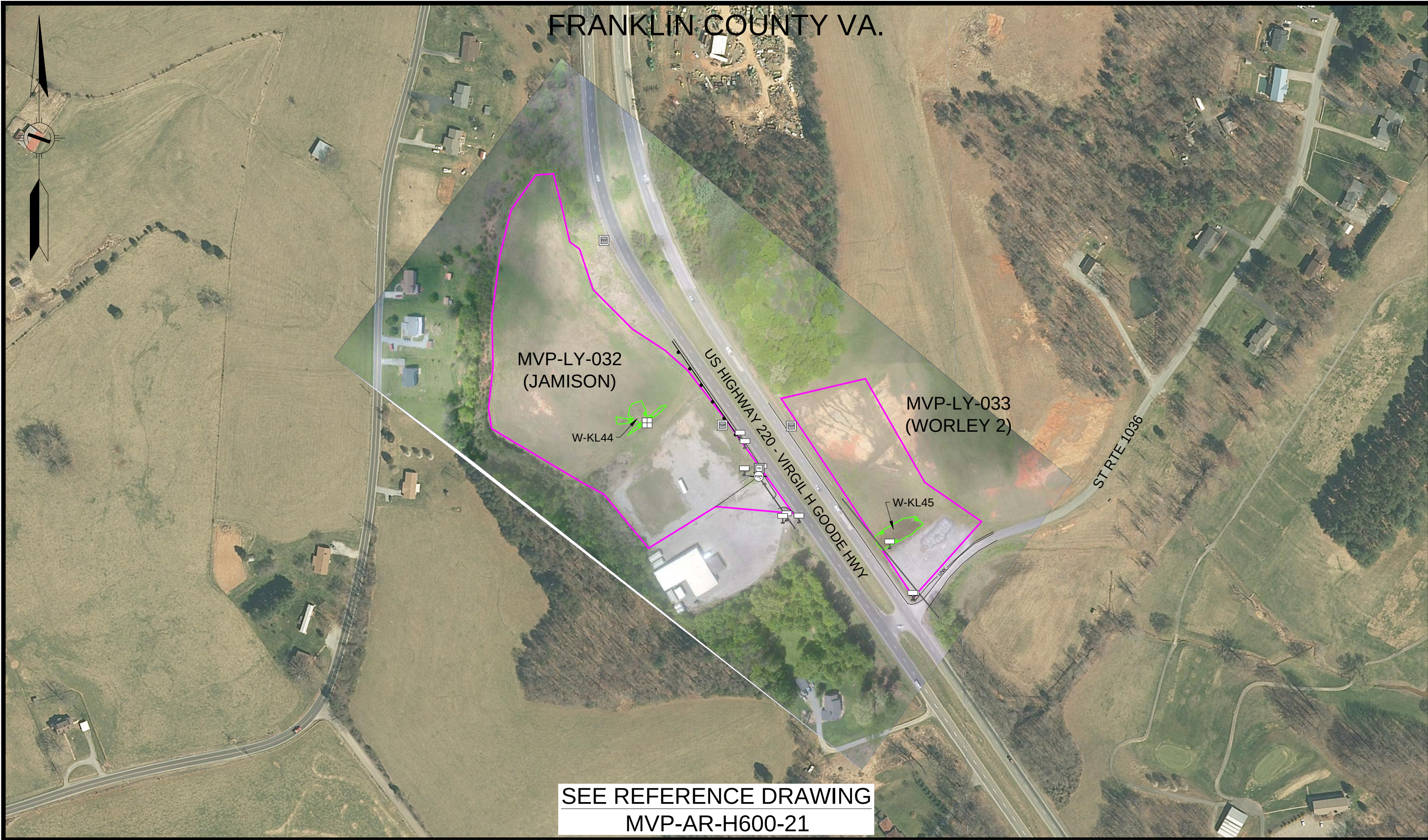
HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	09/27/15
DRAFTING CK:	
ENGINEERING CK:	
UEI JOB NO.:	
AFE/P.O.NO.:	
HEI PROJECT NO.:	14-10-052
UEI FILE NO.:	
DRAWING NO.:	MVP-ADAS-H600-06
SHEET 6 OF 7	REV. 4
DATE OF PLOT:	11/25/17 10:52 AM

AERIAL DETAILS

PROPOSED ANCILLARY SITES

MVP PIPELINE PROJECT - H600 LINE

WEST VIRGINIA(W.V.) & VIRGINIA(VA.)



LEGEND	
	ANCILLARY SITE
	PERMANENT ACCESS ROAD
	TEMPORARY ACCESS ROAD
	PROPOSED H600 PIPELINE
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	UNKNOWN UNDERGROUND UTILITY
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	WELL - GAS/OIL/WATER/MONITORING
PROJECTION: UTM ZONE 17	
HORIZONTAL DATUM: NAD 83 US SURVEY FEET	
VERTICAL DATUM: NAVD88	

REFERENCE DRAWINGS	
DRAWING NUMBER	TITLE
MVP-AR-H600-06	OVERALL QUAD MAP
MVP-AR-H600-11	OVERALL QUAD MAP
MVP-AR-H600-20	OVERALL QUAD MAP
MVP-QDAR-H600-81	ACCESS ROAD DETAIL MAP

REVISIONS	
REV.	DESCRIPTION
0	DRF 10-15-15 REV 4.0.0. ISSUED TO FERC
1	DRF 01-13-16 FERC DATA REQUEST No.1
2	DRF 04-21-16 FERC DATA REQUEST No.2
3	DRF 10-14-16 OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC
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APPROVED FOR FERC			APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION		
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
0	RRR	10-15-15				4	JJS	11-27-17
3	RRR	10-14-16						
4	JJS	11-27-17						

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	09/27/15
DRAFTING CK:	
ENGINEERING CK:	
UIE JOB NO.:	
AFE/P.O. NO.:	
HEI PROJECT NO.:	14-10-052
UIE FILE NO.:	
DRAWING NO.:	MVP-ADAS-H600-07
SHEET 7 OF 7	REV. 4
DATE OF PLOT:	11/16/17 8:16 AM

AERIAL DETAILS
PROPOSED ANCILLARY SITES
MVP PIPELINE PROJECT - H600 LINE
WEST VIRGINIA(W.V.) & VIRGINIA(VA.)