




MVP Southgate Project H-650 Line



REV. BY	DATE	DESCRIPTION
P1 TRC	08/13/18	ISSUED FOR REVIEW
P2 TRC	08/20/18	FERC DRAFT
P3 TRC	09/11/18	ISSUED FOR REVIEW
P4 TRC	10/22/18	ISSUED FOR FERC
P5 TRC	03/26/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P6 TRC	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

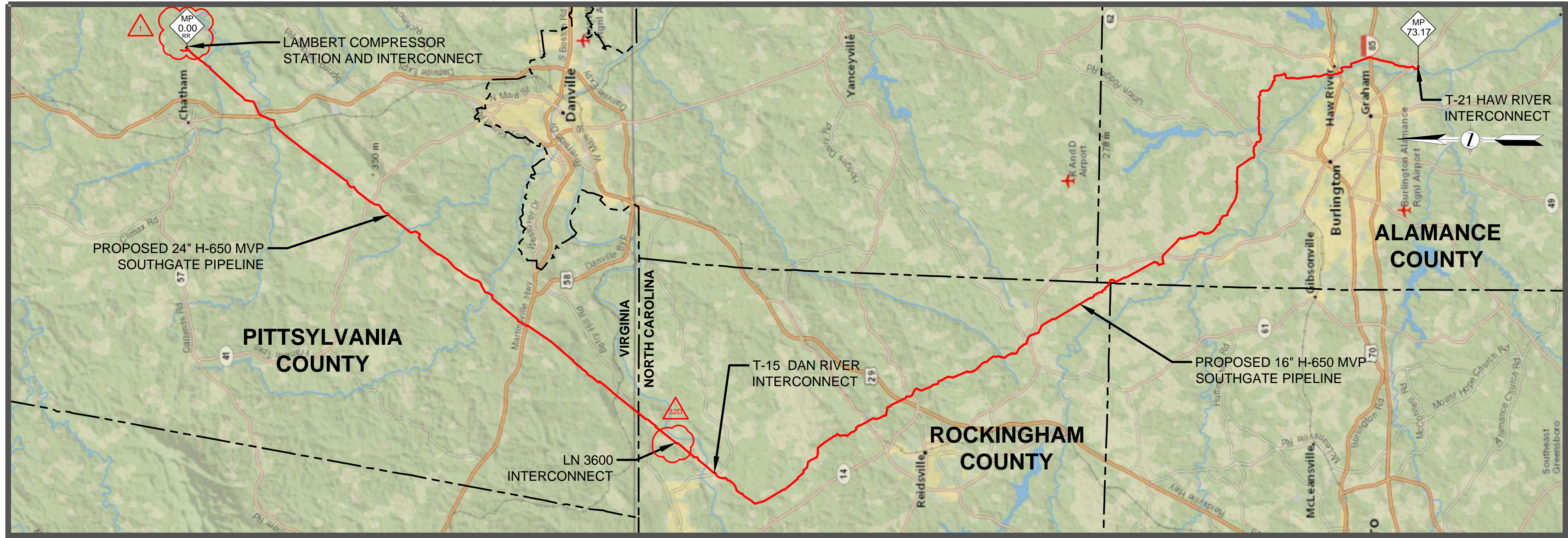
APPROVED FOR FERC	APPROVED FOR BIDDING	APPROVED FOR CONSTRUCTION			
REV. BY	DATE	REV. BY	DATE	REV. BY	DATE

APPROVED FOR FERC	APPROVED FOR BIDDING	APPROVED FOR CONSTRUCTION			
REV. BY	DATE	REV. BY	DATE	REV. BY	DATE


PIPELINE COVER SHEET
MVP SOUTHGATE PROJECT - H-650 LINE

HORZ. SCALE:	NONE
DRAWN BY:	TRC 07/02/18
DRAFTING CK:	08/13/18
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/P.O.NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-GEN-H-650-01	
SHEET: 1 OF 2	REV. P6
DATE OF PLOT: 9/27/2019 11:09:54 AM	

ISSUED FOR FERC SUPPLEMENTAL FILING



MVP Southgate Project H-650 Line

DRAWING INDEX

PA-GEN-H-650-01	COVER/NOTE SHEET	PA-RONC-H-650-21	PIPELINE ALIGNMENT, STA. 2368+00 TO STA. 2421+00	PA-RONC-H-650-03A	ACCESS ROAD	CY-01	PIPELINE CONTRACTOR YARD
PA-GEN-H-650-02	INDEX SHEET	PA-RONC-H-650-22	PIPELINE ALIGNMENT, STA. 2421+00 TO STA. 2472+00	PA-RONC-H-650-04A	ACCESS ROAD	CY-03	PIPELINE CONTRACTOR YARD
ALIGNMENT SHEETS		PA-RONC-H-650-23	PIPELINE ALIGNMENT, STA. 2472+00 TO STA. 2523+00	PA-RONC-H-650-07A	ACCESS ROAD		
PA-PIVA-H-650-01	PIPELINE ALIGNMENT, STA. 0+00 TO STA. 40+00	PA-RONC-H-650-24	PIPELINE ALIGNMENT, STA. 2523+00 TO STA. 2575+00	PA-RONC-H-650-08A	ACCESS ROAD	CY-05	PIPELINE CONTRACTOR YARD
PA-PIVA-H-650-02	PIPELINE ALIGNMENT, STA. 40+00 TO STA. 89+00	PA-RONC-H-650-25	PIPELINE ALIGNMENT, STA. 2575+00 TO STA. 2626+00			CY-08	PIPELINE CONTRACTOR YARD
PA-PIVA-H-650-03	PIPELINE ALIGNMENT, STA. 89+00 TO STA. 138+00	PA-RONC-H-650-26	PIPELINE ALIGNMENT, STA. 2626+00 TO STA. 2677+00	PA-RONC-H-650-11A	ACCESS ROAD		
PA-PIVA-H-650-04	PIPELINE ALIGNMENT, STA. 138+00 TO STA. 184+00	PA-RONC-H-650-27	PIPELINE ALIGNMENT, STA. 2677+00 TO STA. 2730+00	PA-RONC-H-650-13A	ACCESS ROAD	CY-19	PIPELINE CONTRACTOR YARD N
PA-PIVA-H-650-05	PIPELINE ALIGNMENT, STA. 184+00 TO STA. 235+00	PA-RONC-H-650-28	PIPELINE ALIGNMENT, STA. 2730+00 TO STA. 2782+00	PA-RONC-H-650-17A	ACCESS ROAD	CY-22	PIPELINE CONTRACTOR YARD N
PA-PIVA-H-650-06	PIPELINE ALIGNMENT, STA. 235+00 TO STA. 283+00	PA-ALNC-H-650-01	PIPELINE ALIGNMENT, STA. 2780+00 TO STA. 2829+00	PA-RONC-H-650-22A	ACCESS ROAD	CY-25	PIPELINE CONTRACTOR YARD N
PA-PIVA-H-650-07	PIPELINE ALIGNMENT, STA. 283+00 TO STA. 333+00	PA-ALNC-H-650-02	PIPELINE ALIGNMENT, STA. 2829+00 TO STA. 2879+00	PA-RONC-H-650-23A	ACCESS ROAD	CY-26	PIPELINE CONTRACTOR YARD N
PA-PIVA-H-650-08	PIPELINE ALIGNMENT, STA. 333+00 TO STA. 383+00	PA-ALNC-H-650-03	PIPELINE ALIGNMENT, STA. 2879+00 TO STA. 2934+00				
PA-PIVA-H-650-09	PIPELINE ALIGNMENT, STA. 383+00 TO STA. 430+00	PA-ALNC-H-650-04	PIPELINE ALIGNMENT, STA. 2934+00 TO STA. 2971+00	PA-RONC-H-650-26A	ACCESS ROAD		
PA-PIVA-H-650-10	PIPELINE ALIGNMENT, STA. 430+00 TO STA. 477+00	PA-ALNC-H-650-05	PIPELINE ALIGNMENT, STA. 2971+00 TO STA. 3021+00	PA-ALNC-H-650-02A	ACCESS ROAD		
PA-PIVA-H-650-11	PIPELINE ALIGNMENT, STA. 477+00 TO STA. 532+00	PA-ALNC-H-650-06	PIPELINE ALIGNMENT, STA. 3021+00 TO STA. 3073+00	PA-ALNC-H-650-03A	ACCESS ROAD		
PA-PIVA-H-650-12	PIPELINE ALIGNMENT, STA. 532+00 TO STA. 582+00	PA-ALNC-H-650-07	PIPELINE ALIGNMENT, STA. 3073+00 TO STA. 3120+00	PA-ALNC-H-650-12A	ACCESS ROAD		
PA-PIVA-H-650-13	PIPELINE ALIGNMENT, STA. 582+00 TO STA. 636+00	PA-ALNC-H-650-08	PIPELINE ALIGNMENT, STA. 3120+00 TO STA. 3175+00	PA-ALNC-H-650-15A	ACCESS ROAD		
PA-PIVA-H-650-14	PIPELINE ALIGNMENT, STA. 636+00 TO STA. 685+00	PA-ALNC-H-650-09	PIPELINE ALIGNMENT, STA. 3175+00 TO STA. 3230+00	PA-ALNC-H-650-15B	ACCESS ROAD		
PA-PIVA-H-650-15	PIPELINE ALIGNMENT, STA. 685+00 TO STA. 725+00	PA-ALNC-H-650-10	PIPELINE ALIGNMENT, STA. 3230+00 TO STA. 3280+00	PA-ALNC-H-650-16A	ACCESS ROAD		
PA-PIVA-H-650-16	PIPELINE ALIGNMENT, STA. 725+00 TO STA. 775+00	PA-ALNC-H-650-11	PIPELINE ALIGNMENT, STA. 3280+00 TO STA. 3320+00				
PA-PIVA-H-650-17	PIPELINE ALIGNMENT, STA. 775+00 TO STA. 823+00	PA-ALNC-H-650-11A	PIPELINE ALIGNMENT, STA. 3320+00 TO STA. 3345+00	PA-ALNC-H-650-19A	ACCESS ROAD		
PA-PIVA-H-650-18	PIPELINE ALIGNMENT, STA. 823+00 TO STA. 873+00	PA-ALNC-H-650-12	PIPELINE ALIGNMENT, STA. 3345+00 TO STA. 3389+00				
PA-PIVA-H-650-19	PIPELINE ALIGNMENT, STA. 873+00 TO STA. 926+00	PA-ALNC-H-650-13	PIPELINE ALIGNMENT, STA. 3389+00 TO STA. 3445+00				
PA-PIVA-H-650-20	PIPELINE ALIGNMENT, STA. 926+00 TO STA. 976+00	PA-ALNC-H-650-14	PIPELINE ALIGNMENT, STA. 3445+00 TO STA. 3500+00				
PA-PIVA-H-650-21	PIPELINE ALIGNMENT, STA. 976+00 TO STA. 1027+00	PA-ALNC-H-650-14A	PIPELINE ALIGNMENT, STA. 3445+00 TO STA. 3490+00				
PA-PIVA-H-650-22	PIPELINE ALIGNMENT, STA. 1027+00 TO STA. 1077+00	PA-ALNC-H-650-15	PIPELINE ALIGNMENT, STA. 3490+00 TO STA. 3565+00				
PA-PIVA-H-650-23	PIPELINE ALIGNMENT, STA. 1077+00 TO STA. 1127+00	PA-ALNC-H-650-16	PIPELINE ALIGNMENT, STA. 3565+00 TO STA. 3611+00				
PA-PIVA-H-650-24	PIPELINE ALIGNMENT, STA. 1127+00 TO STA. 1177+00	PA-ALNC-H-650-17	PIPELINE ALIGNMENT, STA. 3611+00 TO STA. 3669+00				
PA-PIVA-H-650-25	PIPELINE ALIGNMENT, STA. 1177+00 TO STA. 1228+00	PA-ALNC-H-650-18	PIPELINE ALIGNMENT, STA. 3669+00 TO STA. 3715+00				
PA-PIVA-H-650-26	PIPELINE ALIGNMENT, STA. 1228+00 TO STA. 1277+00	PA-ALNC-H-650-19	PIPELINE ALIGNMENT, STA. 3715+00 TO STA. 3761+00				
PA-PIVA-H-650-27	PIPELINE ALIGNMENT, STA. 1277+00 TO STA. 1329+00	PA-ALNC-H-650-20	PIPELINE ALIGNMENT, STA. 3761+00 TO STA. 3815+00				
PA-PIVA-H-650-28	PIPELINE ALIGNMENT, STA. 1329+00 TO STA. 1369+00	PA-ALNC-H-650-21	PIPELINE ALIGNMENT, STA. 3815+00 TO STA. 3865+58				
PA-RONC-H-650-01	PIPELINE ALIGNMENT, STA. 1369+00 TO STA. 1417+00						
PA-RONC-H-650-02	PIPELINE ALIGNMENT, STA. 1417+00 TO STA. 1467+00						
PA-RONC-H-650-03	PIPELINE ALIGNMENT, STA. 1467+00 TO STA. 1518+00						
PA-RONC-H-650-04	PIPELINE ALIGNMENT, STA. 1518+00 TO STA. 1569+00						
PA-RONC-H-650-05	PIPELINE ALIGNMENT, STA. 1569+00 TO STA. 1621+00						
PA-RONC-H-650-06	PIPELINE ALIGNMENT, STA. 1621+00 TO STA. 1674+00						
PA-RONC-H-650-07	PIPELINE ALIGNMENT, STA. 1674+00 TO STA. 1729+00						
PA-RONC-H-650-08	PIPELINE ALIGNMENT, STA. 1729+00 TO STA. 1779+00						
PA-RONC-H-650-09	PIPELINE ALIGNMENT, STA. 1779+00 TO STA. 1833+00						
PA-RONC-H-650-10	PIPELINE ALIGNMENT, STA. 1833+00 TO STA. 1885+00						
PA-RONC-H-650-11	PIPELINE ALIGNMENT, STA. 1885+00 TO STA. 1936+00						
PA-RONC-H-650-12	PIPELINE ALIGNMENT, STA. 1936+00 TO STA. 1983+00						
PA-RONC-H-650-13	PIPELINE ALIGNMENT, STA. 1983+00 TO STA. 2038+00						
PA-RONC-H-650-14	PIPELINE ALIGNMENT, STA. 2038+00 TO STA. 2087+00						
PA-RONC-H-650-15	PIPELINE ALIGNMENT, STA. 2087+00 TO STA. 2137+00						
PA-RONC-H-650-16	PIPELINE ALIGNMENT, STA. 2137+00 TO STA. 2182+00						
PA-RONC-H-650-17	PIPELINE ALIGNMENT, STA. 2182+00 TO STA. 2234+00						
PA-RONC-H-650-18	PIPELINE ALIGNMENT, STA. 2234+00 TO STA. 2282+00						
PA-RONC-H-650-19	PIPELINE ALIGNMENT, STA. 2282+00 TO STA. 2319+00						
PA-RONC-H-650-20	PIPELINE ALIGNMENT, STA. 2319+00 TO STA. 2368+00						

TRC
Results you can rely on

REV. BY	DATE	DESCRIPTION
P1	TRC	ISSUED FOR REVIEW
P2	TRC	ISSUED FOR REVIEW
P3	TRC	ISSUED FOR REVIEW
P4	TRC	ISSUED FOR REVIEW
P5	TRC	ISSUED FOR REVIEW
P6	TRC	ISSUED FOR REVIEW

REV. BY	DATE	DESCRIPTION
P1	TRC	ISSUED FOR REVIEW
P2	TRC	ISSUED FOR REVIEW
P3	TRC	ISSUED FOR REVIEW
P4	TRC	ISSUED FOR REVIEW
P5	TRC	ISSUED FOR REVIEW
P6	TRC	ISSUED FOR REVIEW

REV. BY	DATE	DESCRIPTION
P1	TRC	ISSUED FOR REVIEW
P2	TRC	ISSUED FOR REVIEW
P3	TRC	ISSUED FOR REVIEW
P4	TRC	ISSUED FOR REVIEW
P5	TRC	ISSUED FOR REVIEW
P6	TRC	ISSUED FOR REVIEW

APPROVED FOR BIDDING

REV. BY	DATE	DESCRIPTION
P1	TRC	ISSUED FOR REVIEW
P2	TRC	ISSUED FOR REVIEW
P3	TRC	ISSUED FOR REVIEW
P4	TRC	ISSUED FOR REVIEW
P5	TRC	ISSUED FOR REVIEW
P6	TRC	ISSUED FOR REVIEW

APPROVED FOR CONSTRUCTION

REV. BY	DATE	DESCRIPTION
P1	TRC	ISSUED FOR REVIEW
P2	TRC	ISSUED FOR REVIEW
P3	TRC	ISSUED FOR REVIEW
P4	TRC	ISSUED FOR REVIEW
P5	TRC	ISSUED FOR REVIEW
P6	TRC	ISSUED FOR REVIEW

APPROVED FOR FERC

REV. BY	DATE	DESCRIPTION
P1	TRC	ISSUED FOR REVIEW
P2	TRC	ISSUED FOR REVIEW
P3	TRC	ISSUED FOR REVIEW
P4	TRC	ISSUED FOR REVIEW
P5	TRC	ISSUED FOR REVIEW
P6	TRC	ISSUED FOR REVIEW

Mountain Valley PIPELINE LLC

PIPELINE INDEX SHEET

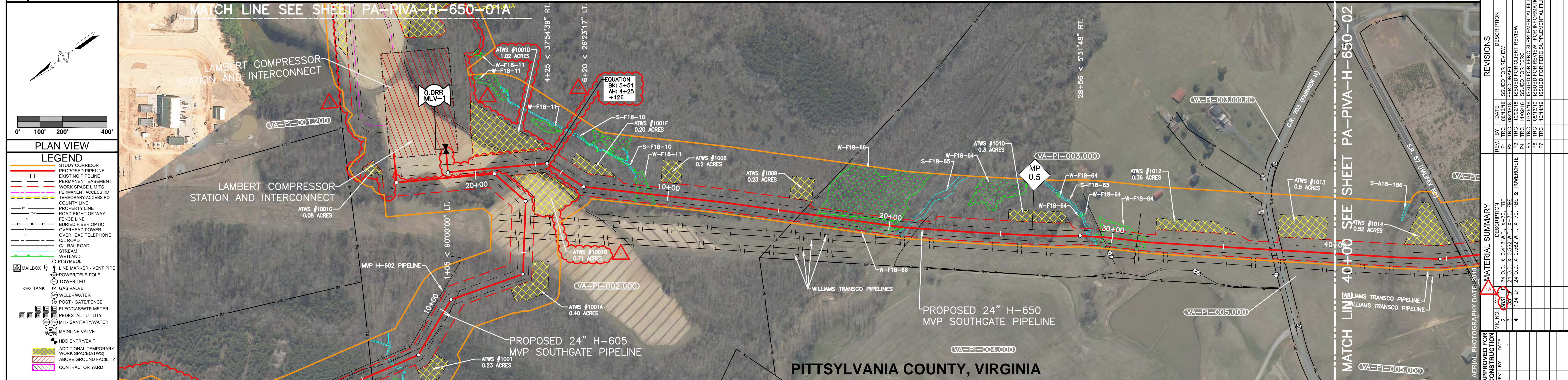
MVP SOUTHGATE PROJECT - H-650 LINE

HORIZ. SCALE: NONE

DRAWN BY: TRC	07/02/18
DRAFTING CK: TRC	08/13/18
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/P.O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-GEN-H-650-02	
SHEET: 2 OF 2	REV. P6
DATE OF PLOT: 10/3/2019 4:48:24 PM	

ISSUED FOR FERC SUPPLEMENTAL FILING

RIGHT-OF-WAY & OWNERSHIP DATA		0+00	1728 LF	16+02	2110 LF	37+12	4	52 LF	37+64	236 LF	40+00			
DESIGN	PIPE / COATING													
	SLOPE DISTANCE													
	CLASS LOCATION / HCA	1												
ENVIRONMENTAL	CONSTRUCTION EXCLUSION													
	WETLAND / STREAM	W-F18-11	57 LF	W-F18-66	345 LF	W-F18-66	11 LF	S-F18-65	22 LF	S-F18-63	14 LF	W-F18-64	31 LF	W-F18-64



PLAN VIEW

LEGEND

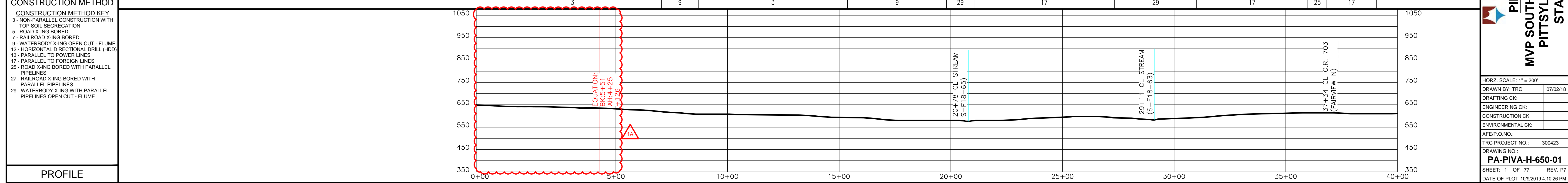
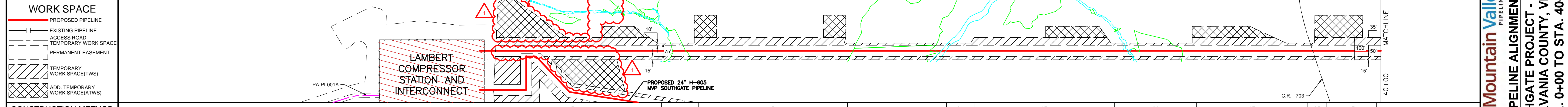
- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
CV-LAM-100-01	LAMBERT COMPRESSOR STATION
PA-PVA-H650-01A	ACCESS ROAD ALIGNMENT SHEET
PA-PVA-H650-01	ALIGNMENT SHEET

HORIZONTAL STATIONING

0+00 BEGIN STATIONING	1+56 EDGE OF ROAD (GRAVEL)	1+62 CL ROAD (GRAVEL)	1+68 EDGE OF ROAD	8+65 BEGIN WETLAND (W-F18-11)	9+22 END WETLAND (W-F18-11)	16+02 PROPERTY LINE	16+72 BEGIN WETLAND (W-F18-66)	20+17 END WETLAND (W-F18-66)	20+38 BEGIN WETLAND (W-F18-66)	20+49 END WETLAND (W-F18-66)	20+67 BEGIN STREAM (S-F18-65)	20+89 END STREAM (S-F18-65)	21+29 FENCE, 4" BARBED WIRE	29+04 BEGIN STREAM (S-F18-63)	29+18 BEGIN WETLAND (W-F18-64)	29+49 END WETLAND (W-F18-64)	29+57 FENCE, 4" ELECTRIC	29+58 BEGIN WETLAND (W-F18-64)	31+13 OVERHEAD POWER LINE	31+52 END WETLAND (W-F18-64)	37+12 PROPERTY LINE	37+24 EDGE OF ROAD	37+34 CL C.R. 703 (FAIRVIEW N)	37+44 EDGE OF ROAD	37+64 PROPERTY LINE	40+00 MATCH LINE
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PROFILE

0+00	1050	950	850	750	650	550	450	350
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ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P7		

MATERIAL SUMMARY

REV. NO.	DATE	DESCRIPTION
1	08/13/18	24" O.D. X 0.412" W.T. X 70' FEE
2	08/20/18	24" O.D. X 0.562" W.T. X 70' FEE
3	11/02/18	24" O.D. X 0.562" W.T. X 70' FEE & POWERGRATE
4	03/20/19	104' LF. 24" O.D. X 0.562" W.T. X 70' FEE

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 0+00 TO STA. 40+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P/O. NO.:

TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PVA-H-650-01**

SHEET: 1 OF 77 REV. P7

DATE OF PLOT: 10/8/2019 4:10:26 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

ENVIRONMENTAL

PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
CVA-LM-100-01	LAMBERT COMPRESSOR STATION
PA-PIVA-H-650-01	ALIGNMENT SHEET
RSS-H650-045	RESIDENTIAL SITE SPECIFIC

HORIZONTAL STATIONING

WORK SPACE

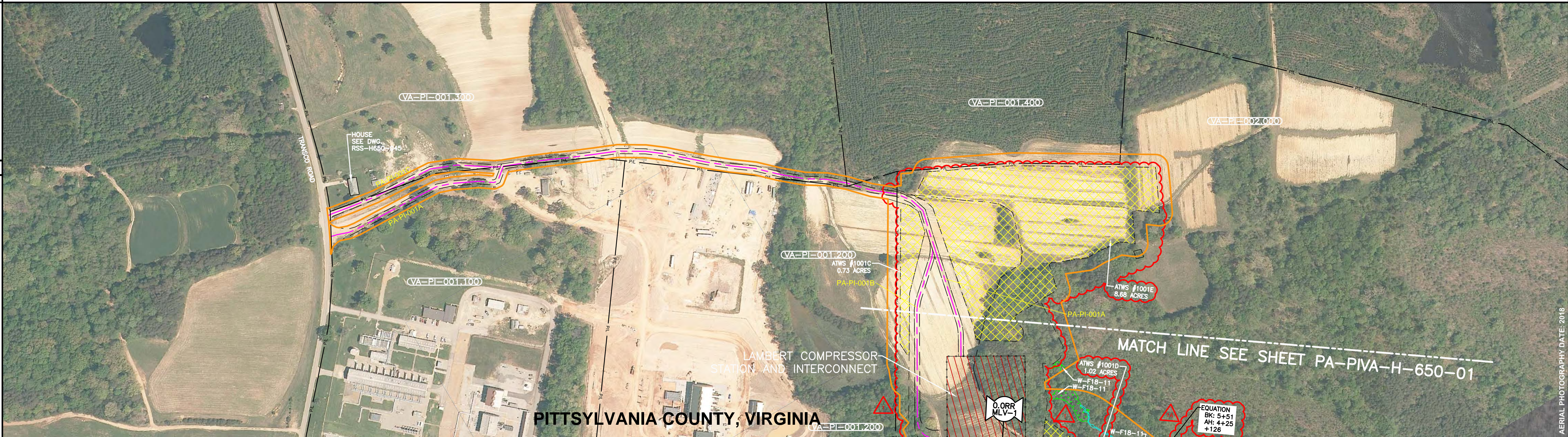
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE (TWS)
- ADD. TEMPORARY WORK SPACE (ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. BY	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

Mountain Valley PIPELINE LLC

ACCESS ROAD

MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROADS PA-PI-001A, 001B, & 001C

APPROVED FOR FERC SUPPLEMENTAL FILING

AERIAL PHOTOGRAPHY DATE: 2018

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PO NO.:

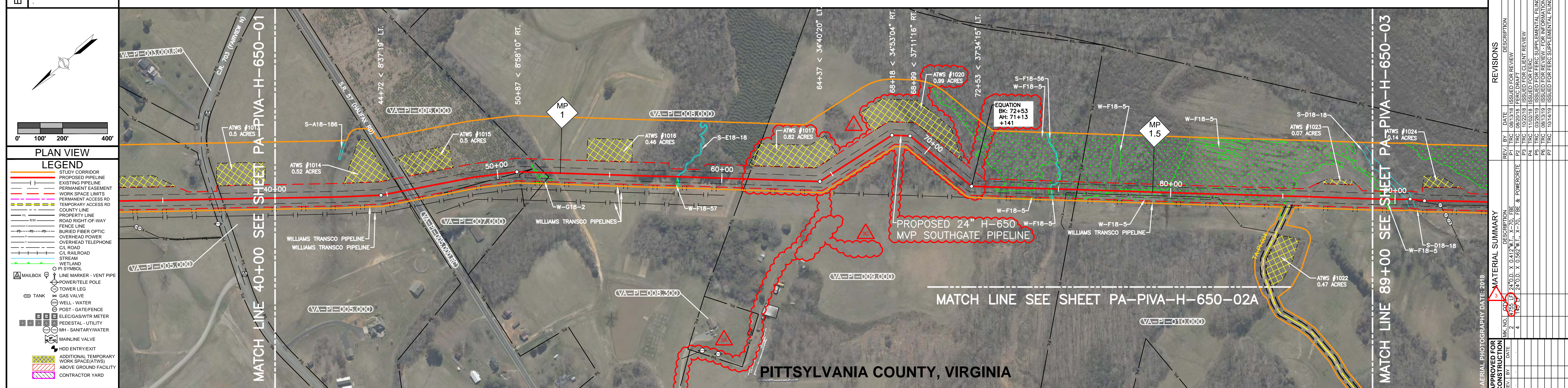
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-01A**

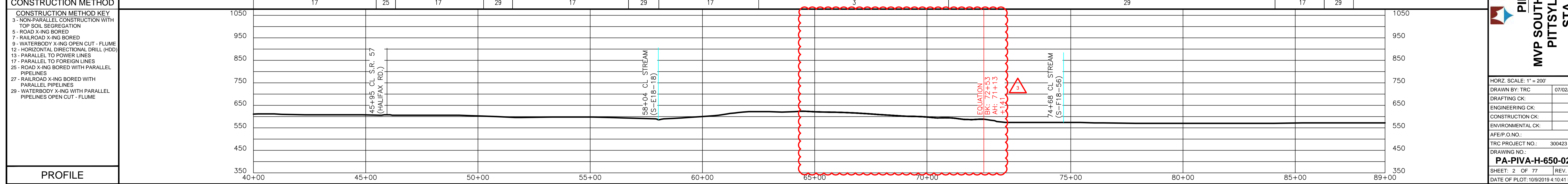
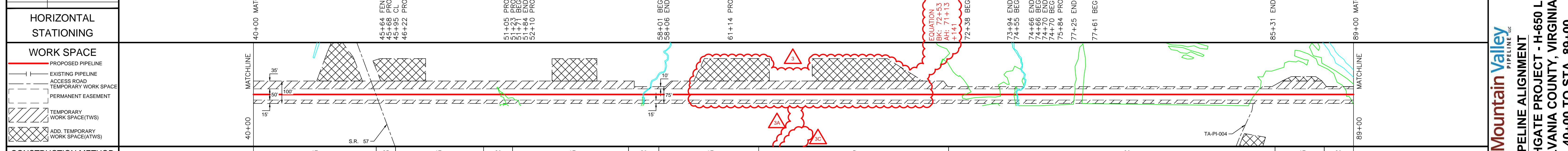
REV. P1

DATE OF PLOT: 10/3/2019 7:33:45 AM

RIGHT-OF-WAY & OWNERSHIP DATA		40+00	568 LF	45+68	4	46+22	483 LF	51+05	18 LF	51+23	87 LF	52+10	904 LF	61+14	1611 LF	75+84	1316 LF	89+00	
DESIGN	PIPE / COATING	40+00	2	45+25	4	46+20									2			89+00	
	SLOPE DISTANCE																		
ENVIRONMENTAL																			
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																		
	WETLAND / STREAM							W-G18-2			S-E18-18				W-F18-5	W-F18-5	S-F18-56	W-F18-5	W-F18-5
								13 LF			5 LF				156 LF	11 LF	4 LF	255 LF	770 LF



DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-02A	ACCESS ROAD ALIGNMENT SHEET



ISSUED FOR FERC SUPPLEMENTAL FILING



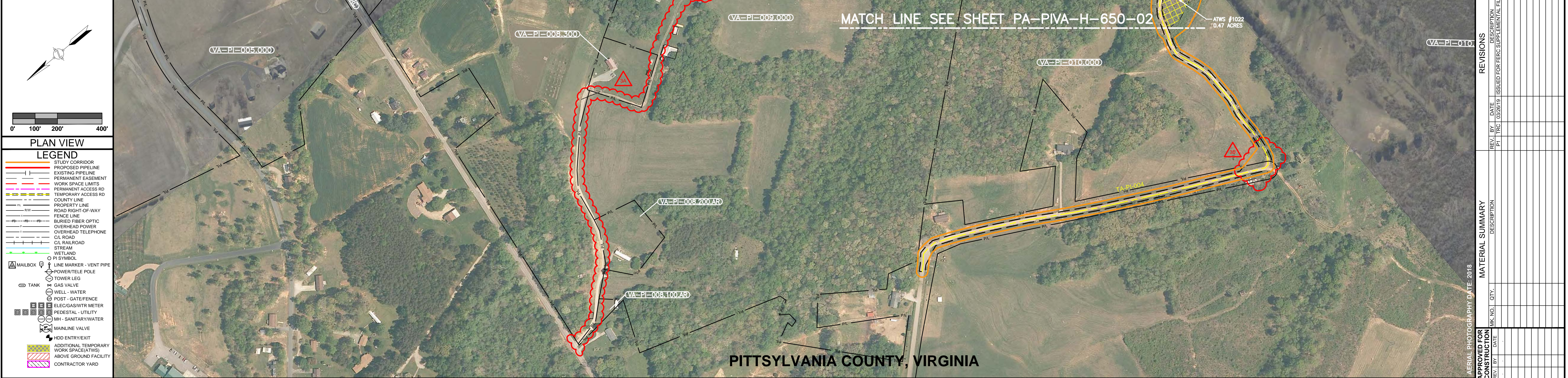
REV. NO.	DATE	DESCRIPTION
P1	08/31/18	ISSUED FOR REVIEW
P2	09/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 40+00 TO STA. 89+00

APPROVED FOR FERC FOR BIDDING

DATE OF PLOT: 10/29/2019 4:10:41 PM

RIGHT-OF-WAY & OWNERSHIP DATA	
DESIGN	PIPE / COATING
	SLOPE DISTANCE
	CLASS LOCATION / HCA
ENVIRONMENTAL	CONSTRUCTION EXCLUSION
	WETLAND / STREAM



PLAN VIEW	ISSUED FOR FERC SUPPLEMENTAL FILING
-----------	-------------------------------------

LEGEND STUDY CORRIDOR PROPOSED PIPELINE EXISTING PIPELINE PERMANENT EASEMENT WORK SPACE LIMITS PERMANENT ACCESS RD TEMPORARY ACCESS RD COUNTY LINE PROPERTY LINE ROAD RIGHT-OF-WAY FENCE LINE BURIED FIBER OPTIC OVERHEAD POWER OVERHEAD TELEPHONE OL ROAD CL RAILROAD STREAM WETLAND O.P. SYMBOL MAILBOX LINE MARKER - VENT PIPE POWER/TELE POLE TOWER LEG GAS VALVE WELL - WATER POST - GATE/FENCE ELEC/GAS/WTR METER PEDESTAL - UTILITY MH - SANITARY/WATER MAINLINE VALVE HDD ENTRY/EXIT ADDITIONAL TEMPORARY WORK SPACE (ATWS) ABOVE GROUND FACILITY CONTRACTOR YARD	REFERENCE DRAWINGS <table border="1"> <thead> <tr> <th>DRAWING NO.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>PA-PIVA-H650-02</td> <td>ALIGNMENT SHEET</td> </tr> </tbody> </table>	DRAWING NO.	DESCRIPTION	PA-PIVA-H650-02	ALIGNMENT SHEET
		DRAWING NO.	DESCRIPTION		
		PA-PIVA-H650-02	ALIGNMENT SHEET		
WORK SPACE PROPOSED PIPELINE EXISTING PIPELINE ACCESS ROAD TEMPORARY WORK SPACE PERMANENT EASEMENT TEMPORARY WORK SPACE (TWS) ADD. TEMPORARY WORK SPACE (ATWS)	CONSTRUCTION METHOD CONSTRUCTION METHOD KEY 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION 5 - ROAD X-ING BORED 7 - RAILROAD X-ING BORED 9 - WATERBODY X-ING OPEN CUT - FLUME 12 - HORIZONTAL DIRECTIONAL DRILL (HDD) 13 - PARALLEL TO POWER LINES 17 - PARALLEL TO FOREIGN LINES 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME				
		HORIZONTAL STATIONING			



REVISIONS			
REV. NO.	DATE	DESCRIPTION	ISSUED FOR FERC SUPPLEMENTAL FILING
P1	10/26/18	ISSUED FOR FERC SUPPLEMENTAL FILING	

APPROVED FOR CONSTRUCTION			
REV. BY	DATE	DESCRIPTION	QTY.

APPROVED FOR BIDDING

APPROVED FOR FERC

Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROADS TA-PI-003 & 004

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

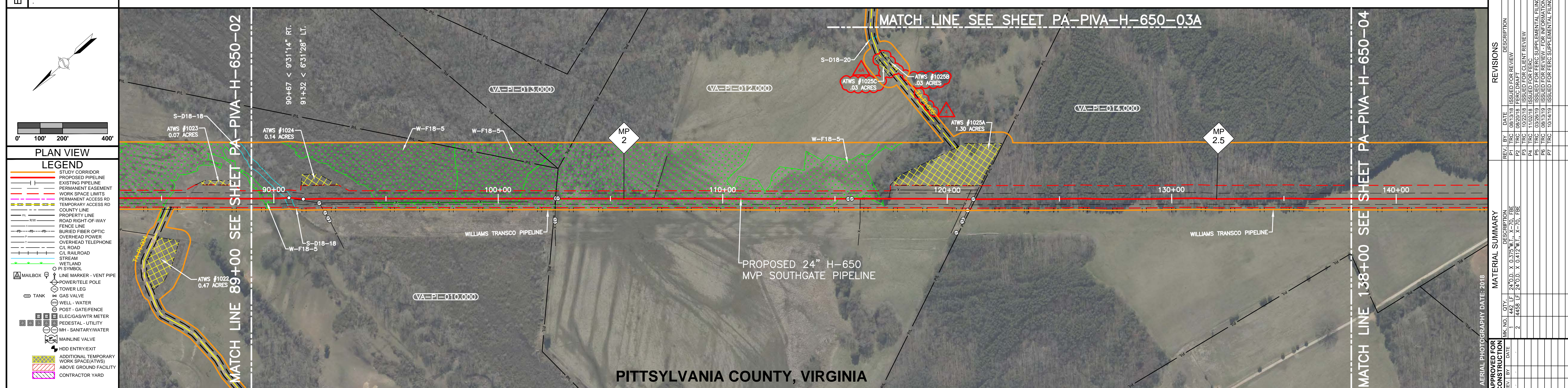
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-02A**

REV. P1

DATE OF PLOT: 10/31/2019 7:34:10 AM

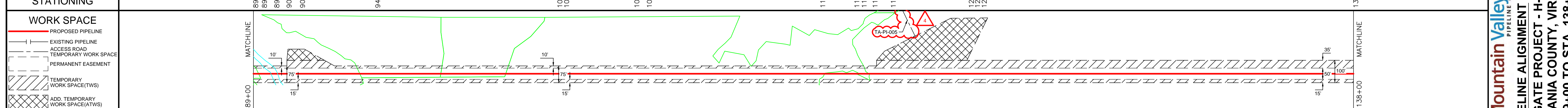
RIGHT-OF-WAY & OWNERSHIP DATA		89+00	102+55	1870 LF	121+25	138+00
DESIGN		PIPE / COATING		2		
		SLOPE DISTANCE				
		CLASS LOCATION / HCA		1		
ENVIRONMENTAL		CONSTRUCTION EXCLUSION				
		WETLAND / STREAM	W-F18-5 55 LF	S-D18-18 29 LF	W-F18-5 2072 LF	W-F18-5 49 LF



ISSUED FOR FERC SUPPLEMENTAL FILING

DRAWING NO.	DESCRIPTION
PA-PVA-H-650-03A	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING	DESCRIPTION
89+00 MATCH LINE	
89+39 BEGIN WETLAND (W-F18-5)	
89+94 END WETLAND (W-F18-5)	
90+49 BEGIN STREAM (S-D18-18)	
90+78 END STREAM (S-D18-18)	
94+44 BEGIN WETLAND (W-F18-5)	
102+55 PROPERTY LINE	102+56 FENCE, 4' ELECTRIC
105+98 FENCE, 4' ELECTRIC	106+54 FENCE, 4' ELECTRIC
114+26 FENCE, 3' ELECTRIC	
115+16 END WETLAND (W-F18-5)	116+61 BEGIN WETLAND (W-F18-5)
117+10 END WETLAND (W-F18-5)	117+40 FENCE, 3' ELECTRIC
120+88 FENCE, 3' ELECTRIC	121+15 FENCE, 4' ELECTRIC
121+25 PROPERTY LINE	
138+00 MATCH LINE	



CONSTRUCTION METHOD	29	17	29	17
CONSTRUCTION METHOD KEY				
3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION				
5 - ROAD X-ING BORED				
7 - RAILROAD X-ING BORED				
9 - WATERBODY X-ING OPEN CUT - FLUME				
12 - HORIZONTAL DIRECTIONAL DRILL (HDD)				
13 - PARALLEL TO POWER LINES				
17 - PARALLEL TO FOREIGN LINES				
25 - ROAD X-ING BORED WITH PARALLEL PIPELINES				
27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES				
29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME				

PROFILE	89+00	90+00	95+00	100+00	105+00	110+00	115+00	120+00	125+00	130+00	135+00	138+00
CONSTRUCTION METHOD KEY												
3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION												
5 - ROAD X-ING BORED												
7 - RAILROAD X-ING BORED												
9 - WATERBODY X-ING OPEN CUT - FLUME												
12 - HORIZONTAL DIRECTIONAL DRILL (HDD)												
13 - PARALLEL TO POWER LINES												
17 - PARALLEL TO FOREIGN LINES												
25 - ROAD X-ING BORED WITH PARALLEL PIPELINES												
27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES												
29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME												



REV. NO.	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	03/26/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	08/13/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

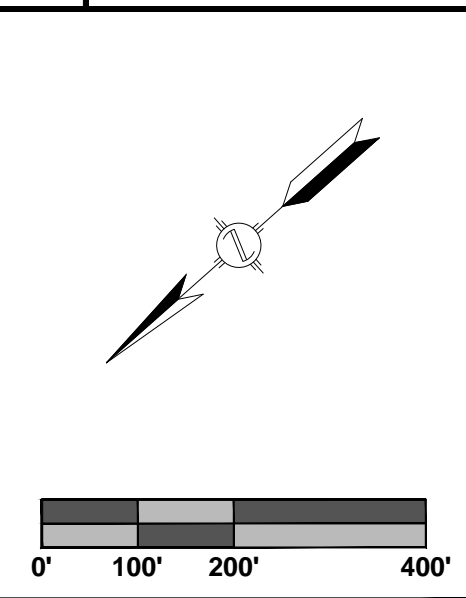
Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 89+00 TO STA. 138+00

HORZ. SCALE: 1" = 200'	
DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/P.O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-PVA-H-650-03	
SHEET: 3 OF 77	REV. P7
DATE OF PLOT: 10/8/2019 4:11:04 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

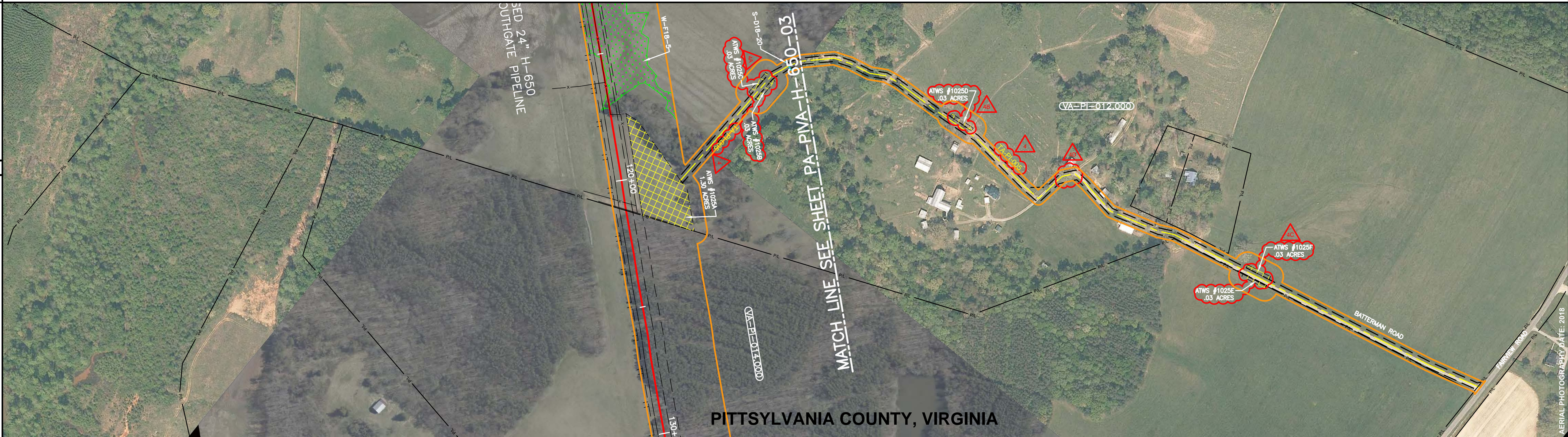
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-03	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE (TWS)
- ADD. TEMPORARY WORK SPACE (ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE

ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

REV. NO.	DATE	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. NO.	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC

ACCESS ROAD

MVP SOUTHGATE PROJECT - H-650 LINE

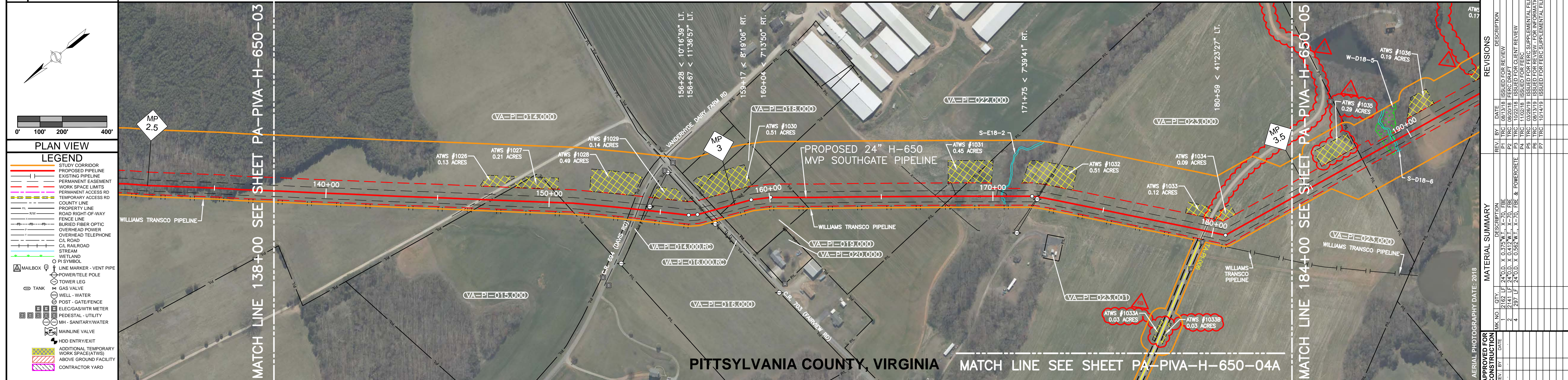
PITTSYLVANIA COUNTY, VIRGINIA

ACCESS ROAD TA-PI-005

HORZ. SCALE: 1" = 200'

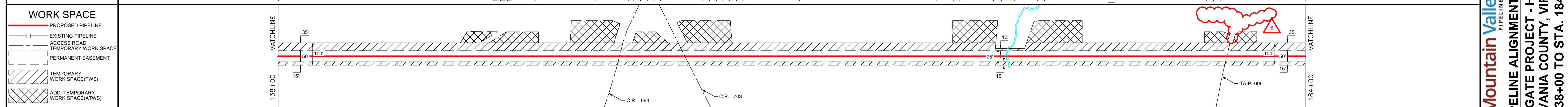
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ENVIRONMENTAL CK:		
AFE/PO NO.:		
TRC PROJECT NO.:	300423	
DRAWING NO.:	PA-PIVA-H-650-03A	
REV. NO.:	P1	
DATE OF PLOT:	10/3/2019 7:34:38 AM	

RIGHT-OF-WAY & OWNERSHIP DATA	DESIGN	ENVIRONMENTAL																																																																																																
<table border="1"> <tr> <td>138+00</td> <td>VA-PI-014.000</td> <td>VA-PI-015.000</td> <td>VA-PI-014.000</td> <td>VA-PI-014.000.RC</td> <td>VA-PI-016.000</td> <td>VA-PI-016.000.RC</td> <td>VA-PI-018.000</td> <td>VA-PI-019.000</td> <td>VA-PI-022.000</td> <td>VA-PI-023.000</td> <td>184+00</td> </tr> <tr> <td>939 LF</td> <td></td> <td>332 LF</td> <td>297 LF</td> <td>62 LF</td> <td>270 LF</td> <td>53 LF</td> <td>63 LF</td> <td>316 LF</td> <td>689 LF</td> <td>1579 LF</td> <td></td> </tr> </table>	138+00	VA-PI-014.000	VA-PI-015.000	VA-PI-014.000	VA-PI-014.000.RC	VA-PI-016.000	VA-PI-016.000.RC	VA-PI-018.000	VA-PI-019.000	VA-PI-022.000	VA-PI-023.000	184+00	939 LF		332 LF	297 LF	62 LF	270 LF	53 LF	63 LF	316 LF	689 LF	1579 LF		<table border="1"> <tr> <td>PIPE / COATING</td> <td></td> <td>1</td> <td></td> <td>4</td> <td>2</td> <td>4</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SLOPE DISTANCE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>CLASS LOCATION / HCA</td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>1</td> <td></td> </tr> </table>	PIPE / COATING		1		4	2	4	2					SLOPE DISTANCE												CLASS LOCATION / HCA		1					2			1		<table border="1"> <tr> <td>CONSTRUCTION EXCLUSION</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WETLAND / STREAM</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>S-E18-2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8 LF</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	CONSTRUCTION EXCLUSION												WETLAND / STREAM							S-E18-2												8 LF				
138+00	VA-PI-014.000	VA-PI-015.000	VA-PI-014.000	VA-PI-014.000.RC	VA-PI-016.000	VA-PI-016.000.RC	VA-PI-018.000	VA-PI-019.000	VA-PI-022.000	VA-PI-023.000	184+00																																																																																							
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PIPE / COATING		1		4	2	4	2																																																																																											
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CLASS LOCATION / HCA		1					2			1																																																																																								
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WETLAND / STREAM							S-E18-2																																																																																											
							8 LF																																																																																											



REFERENCE DRAWINGS	APPROVED FOR CONSTRUCTION	APPROVED FOR BIDDING	APPROVED FOR FERC
DRAWING NO. DESCRIPTION	REV. BY DATE	REV. BY DATE	REV. BY DATE
PA-PIVA-H-650-04A ACCESS ROAD ALIGNMENT SHEET			

HORIZONTAL STATIONING



CONSTRUCTION METHOD	CONSTRUCTION METHOD KEY
3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION	
5 - ROAD X-ING BORED	
7 - RAILROAD X-ING BORED	
9 - WATERBODY X-ING OPEN CUT - FLUME	
12 - HORIZONTAL DIRECTIONAL DRILL (HDD)	
13 - PARALLEL TO POWER LINES	
17 - PARALLEL TO FOREIGN LINES	
25 - ROAD X-ING BORED WITH PARALLEL PIPELINES	
27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES	
29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME	

PROFILE	DATE OF PLOT											
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138+00	140+00	145+00	150+00	155+00	160+00	165+00	170+00	175+00	180+00	184+00		



REVISIONS	MATERIAL SUMMARY
REV. NO. DATE DESCRIPTION	QTY. DESCRIPTION
1 08/13/18 ISSUED FOR REVIEW	1 2162 LF 24" O.D. X 0.375" W.T. X-70 FIBER REINFORCED POLYETHYLENE (FRPE) PIPE
2 08/20/18 FERC DRAWING CLIENT REVIEW	2 2141 LF 24" O.D. X 0.412" W.T. X-70 FIBER REINFORCED POLYETHYLENE (FRPE) PIPE
3 11/02/18 ISSUED FOR FERC	4 287 LF 24" O.D. X 0.582" W.T. X-70 FIBER REINFORCED POLYETHYLENE (FRPE) PIPE
4 03/20/19 ISSUED FOR FERC SUPPLEMENTAL FILING	
5 08/13/19 ISSUED FOR REVIEW FOR INFORMATION ONLY	
6 08/13/19 ISSUED FOR REVIEW FOR INFORMATION ONLY	
7 10/14/19 ISSUED FOR FERC SUPPLEMENTAL FILING	

ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 138+00 TO STA. 184+00

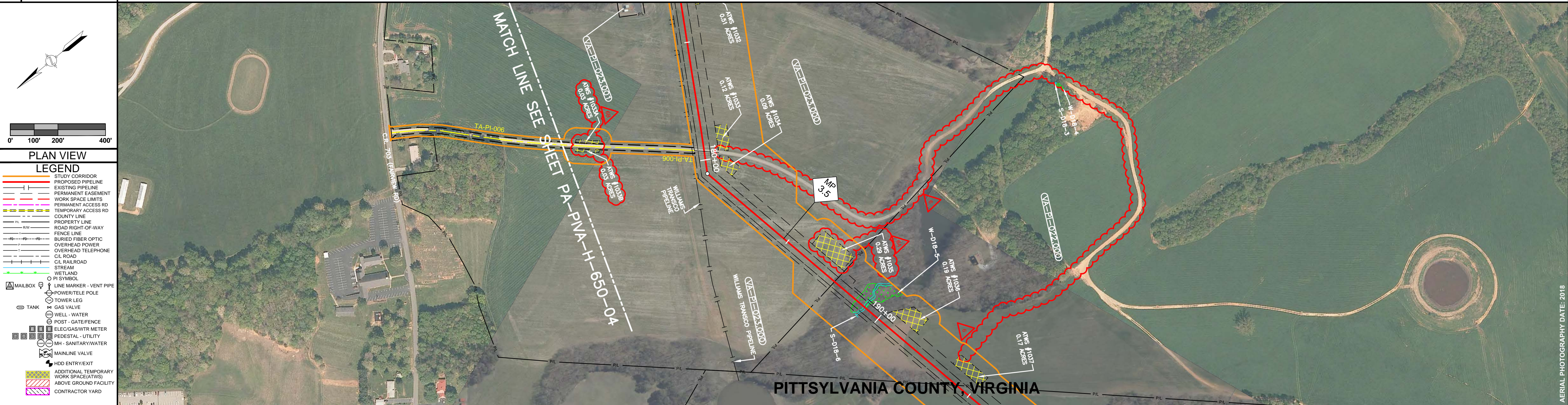
HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-04
 SHEET: 4 OF 77 REV. P7
 DATE OF PLOT: 10/10/2019 8:34:49 AM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- WETLAND SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-04	ALIGNMENTSHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
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- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



AERIAL PHOTOGRAPHY DATE: 2018

REV.	BY	DATE	DESCRIPTION
P1	TRC	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

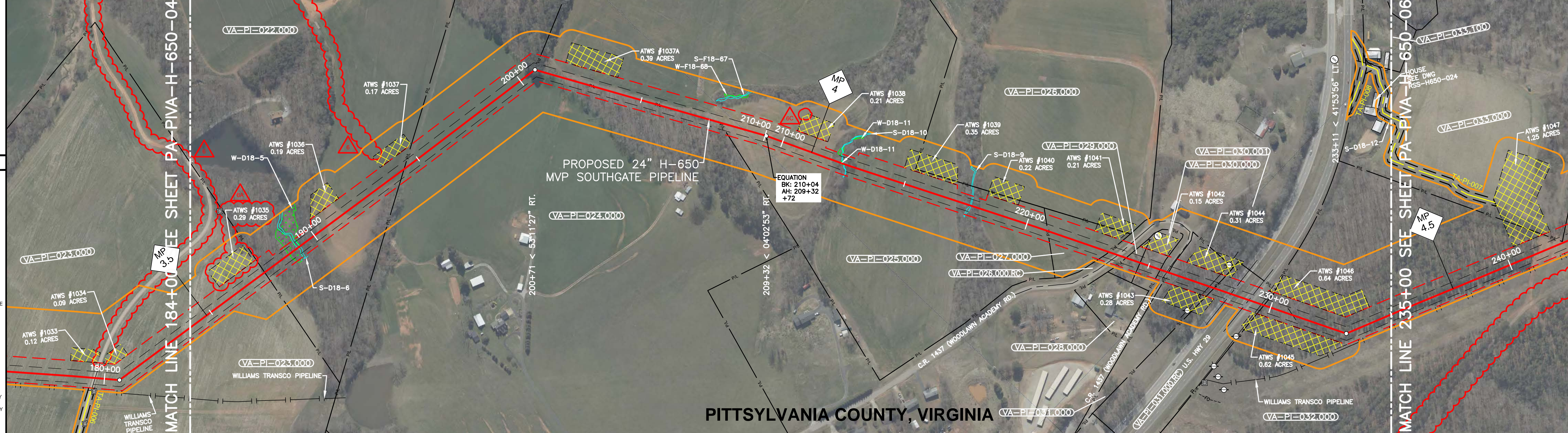
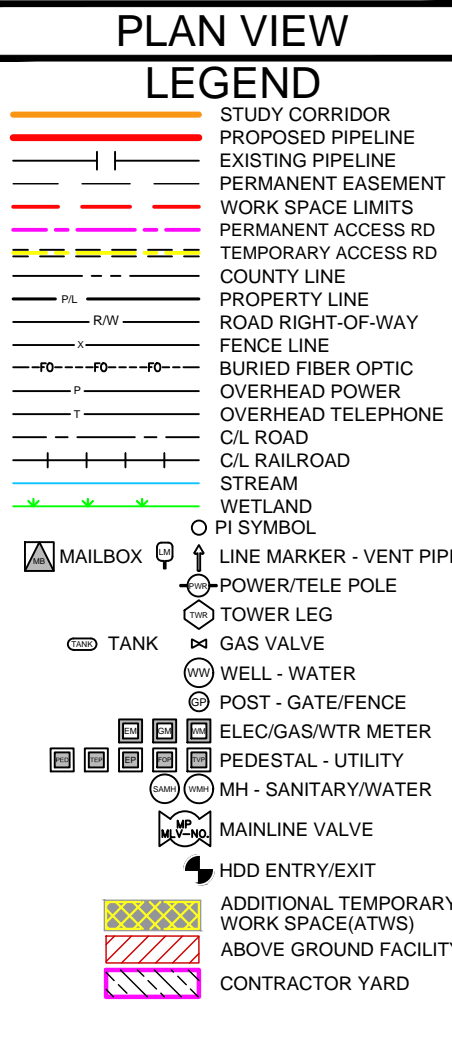
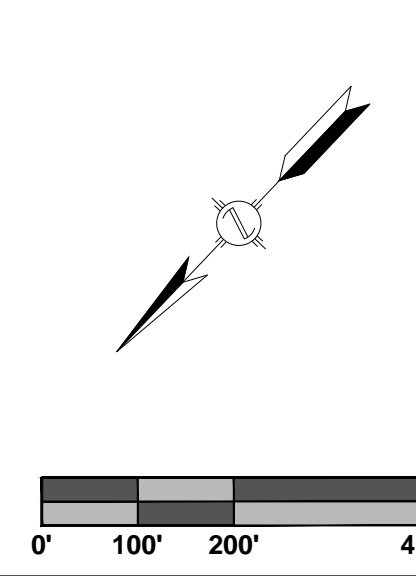
APPROVED FOR BIDDING	DATE

Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-006A

HORZ. SCALE: 1" = 200'

DRAWN BY:	TRC	07/02/18
DRAFTING CK:		
ENGINEERING CK:		
CONSTRUCTION CK:		
ENVIRONMENTAL CK:		
AFE/PO NO.:		
TRC PROJECT NO.:	300423	
DRAWING NO.:	PA-PIVA-H-650-04A	REV. P1
DATE OF PLOT:	10/10/2019 8:37:09 AM	

RIGHT-OF-WAY & OWNERSHIP DATA	184+00	VA-PI-023.000	187+60	VA-PI-022.000	194+33	VA-PI-024.000	200+71	VA-PI-024.000	208+18	VA-PI-025.000	220+86	VA-PI-027.000	223+37	VA-PI-026.000.RC	224+07	VA-PI-029.000	224+64	VA-PI-030.000	225+48	VA-PI-026.000.RC	225+81	VA-PI-031.000	227+68	VA-PI-031.000.RC	229+73	VA-PI-032.000	235+00	
PIPE / COATING	1		1					747 LF	2					4						4		3		4	2		1	
SLOPE DISTANCE																												
CLASS LOCATION / HCA							2										3						2			1		
CONSTRUCTION EXCLUSION																												
WETLAND / STREAM					W-D18-5	S-D18-6	W-D18-5						W-D18-11	S-D18-10								S-D18-9						
					44 LF	9 LF	2 LF						5 LF	6 LF								4 LF						



DRAWING NO.	DESCRIPTION

ISSUED FOR FERC SUPPLEMENTAL FILING

PITTSYLVANIA COUNTY, VIRGINIA

MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 184+00 TO STA. 235+00

DRAWING NO.	DESCRIPTION

184+00 MATCH LINE

187+60 PROPERTY LINE

188+77 BEGIN WETLAND (W-D18-5)

189+21 END WETLAND (W-D18-5)

189+21 BEGIN STREAM (S-D18-6)

189+30 END STREAM (S-D18-6)

189+30 BEGIN WETLAND (W-D18-5)

189+32 END WETLAND (W-D18-5)

194+33 PROPERTY LINE

200+71 PROPERTY LINE

212+44 BEGIN WETLAND (W-D18-11)

212+49 END WETLAND (W-D18-11)

212+49 BEGIN STREAM (S-D18-10)

212+55 END STREAM (S-D18-10)

217+98 BEGIN STREAM (S-D18-9)

217+72 END STREAM (S-D18-9)

220+86 PROPERTY LINE

223+37 PROPERTY LINE

223+47 EDGE OF ROAD (ASPHALT)

223+54 EDGE OF ROAD (ASPHALT)

223+54 PROPERTY LINE

224+04 PROPERTY LINE

225+48 EDGE OF ROAD (ASPHALT)

225+48 PROPERTY LINE

225+75 CL C.R. 1437 (WOODLAWN ACADEMY RD)

225+81 (ASPHALT) LINE

225+84 EDGE OF ROAD

227+48 OVERHEAD POWER LINE

227+68 PROPERTY LINE

228+37 CL U.S. HWY 29 (N.B.L.) (ASPHALT)

228+37 EDGE OF ROAD

228+52 EDGE OF ROAD

228+97 EDGE OF ROAD

229+24 U.S. HWY 29 (S.B.L.) (ASPHALT)

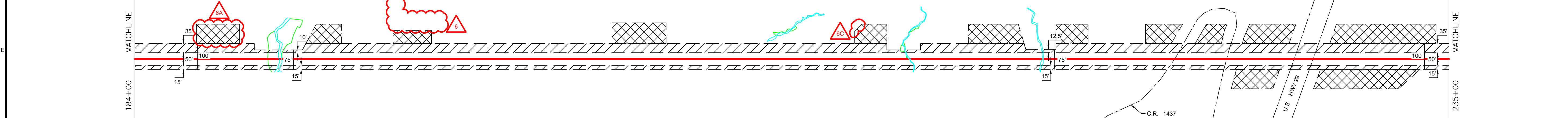
229+62 OVERHEAD POWER LINE

229+73 PROPERTY LINE

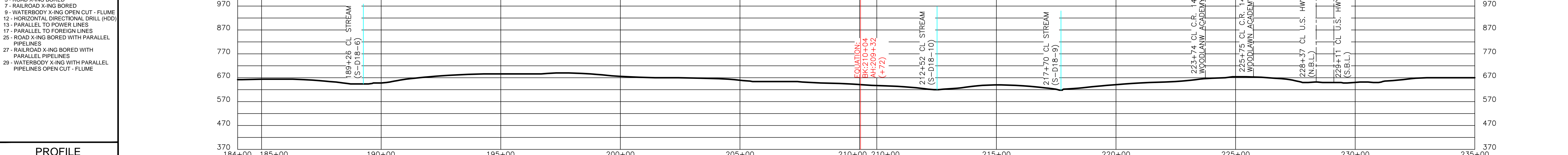
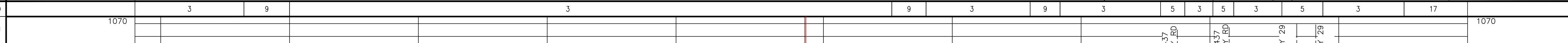
230+91 CL DITCH

235+00 MATCH LINE

DRAWING NO.	DESCRIPTION



DRAWING NO.	DESCRIPTION



REV. NO.	DATE	DESCRIPTION

MATERIAL SUMMARY	DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

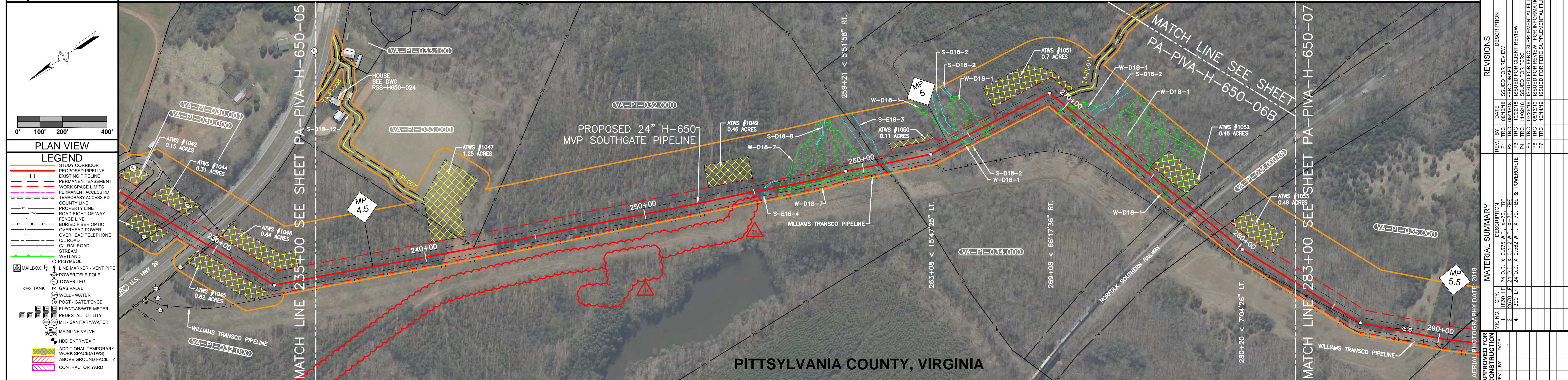
MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 184+00 TO STA. 235+00

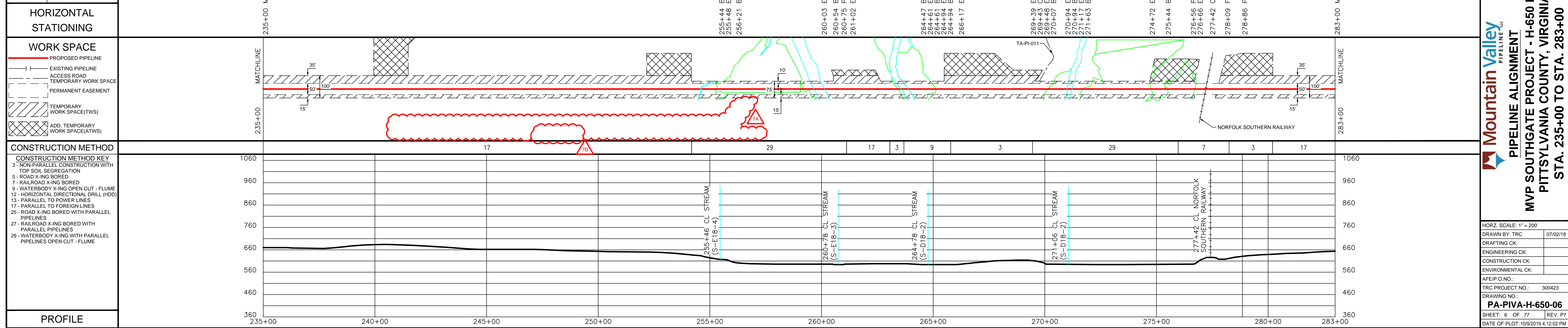
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DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AF&P O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-PIVA-H-650-05	
SHEET: 5 OF 77	REV. P7
DATE OF PLOT: 10/8/2019 4:11:41 PM	

ENVIRONMENTAL	WETLAND / STREAM	S-E18-4 4 LF	W-D18-7 382 LF	S-E18-3 48 LF	W-D18-1 14 LF	S-D18-2 33 LF	W-D18-1 123 LF	W-D18-1 87 LF	S-D18-2 23 LF	W-D18-1 309 LF	W-D18-1 122 LF	
	CONSTRUCTION EXCLUSION											
	DESIGN	PIPE / COATING										
RIGHT-OF-WAY & OWNERSHIP DATA		235+00	2575 LF	260+75	1581 LF	276+56	4	278+66	414 LF	283+00	283+00	



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIVA-H-650-06B	ACCESS ROAD ALIGNMENT SHEET
HORIZONTAL STATIONING	235+00	MATCH LINE
	283+00	MATCH LINE
WORK SPACE	PROPOSED PIPELINE	17
	EXISTING PIPELINE	29
CONSTRUCTION METHOD	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION	17
	5 - ROAD X-ING BORED	3
PROFILE	1060	
	360	

ISSUED FOR FERC SUPPLEMENTAL FILING



REV. NO.	DATE	DESCRIPTION
1	08/03/18	ISSUED FOR REVIEW
2	08/20/18	FERC DRAFTER CLIENT REVIEW
3	11/02/18	ISSUED FOR FERC
4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
6	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR FERC	DATE

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 235+00 TO STA. 283+00

APPROVED FOR CONSTRUCTION
 DATE: 07/02/18

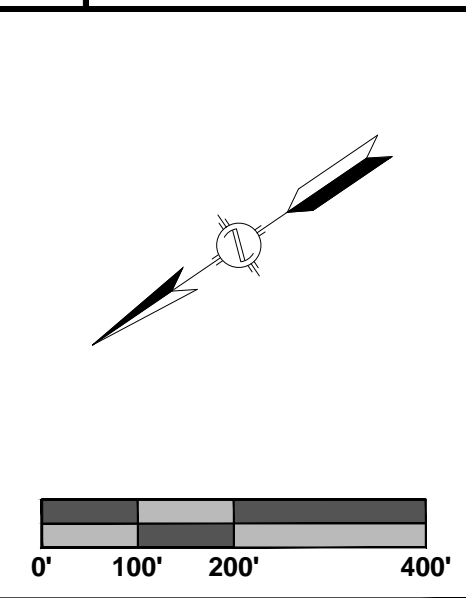
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 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:

TRC PROJECT NO.: 300423
 DRAWING NO.: PA-PIVA-H-650-06
 SHEET: 6 OF 77
 DATE OF PLOT: 10/8/2019 4:12:02 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN	PIPE / COATING
	SLOPE DISTANCE
	CLASS LOCATION / HCA

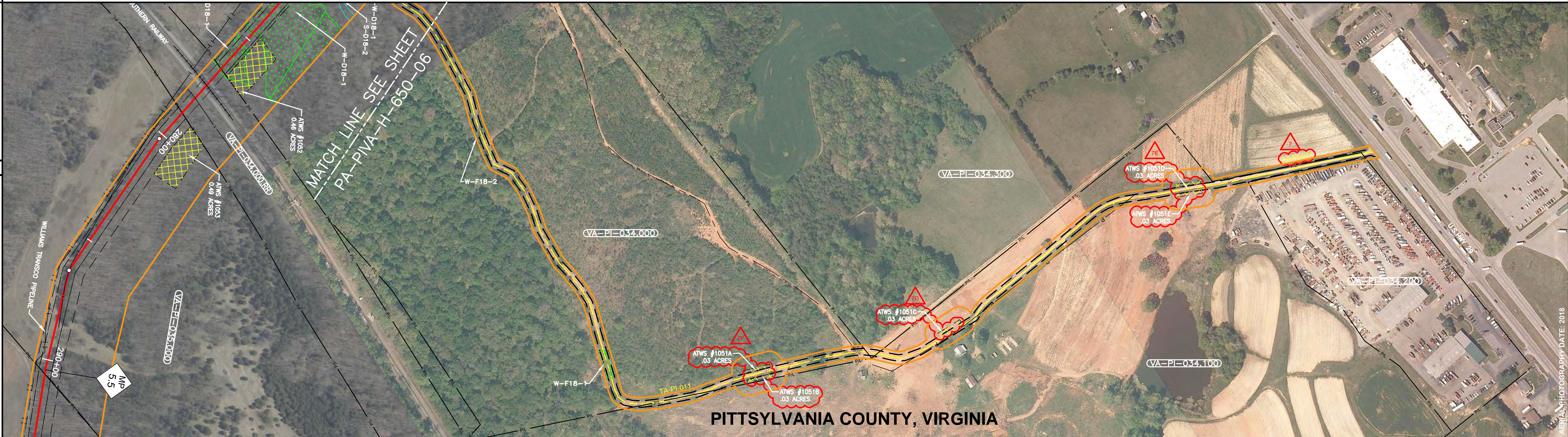
ENVIRONMENTAL	CONSTRUCTION EXCLUSION
	WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



PITTSYLVANIA COUNTY, VIRGINIA

ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-06	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



REVISIONS

REV. BY	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

Mountain Valley PIPELINE LLC

ACCESS ROAD

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

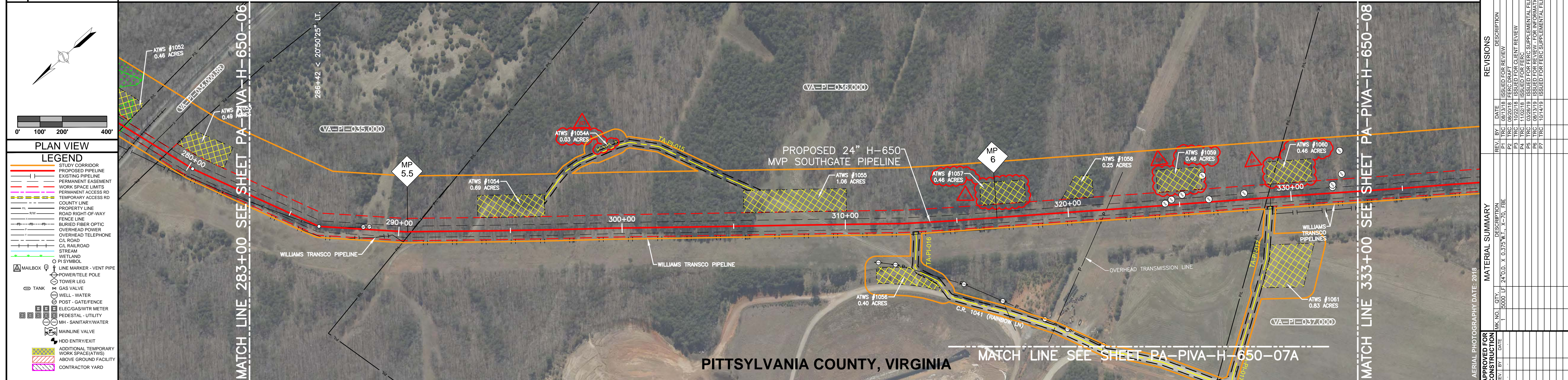
ACCESS ROAD TA-PI-011

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PI.O.NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PIVA-H-650-06B
REV. P1	

DATE OF PLOT: 10/3/2019 7:35:27 AM

RIGHT-OF-WAY & OWNERSHIP DATA	VA-PI-035.000	VA-PI-036.000	VA-PI-037.000
DESIGN	757 LF	3837 LF	406 LF
ENVIRONMENTAL			
PIPE / COATING		1	
SLOPE DISTANCE		1	
CLASS LOCATION / HCA			
CONSTRUCTION EXCLUSION			
WETLAND / STREAM			



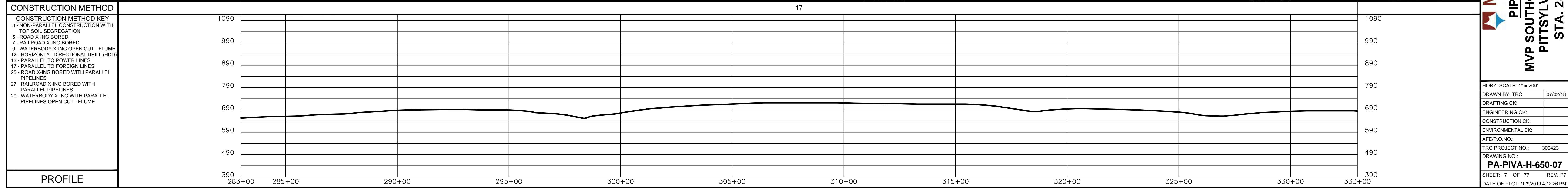
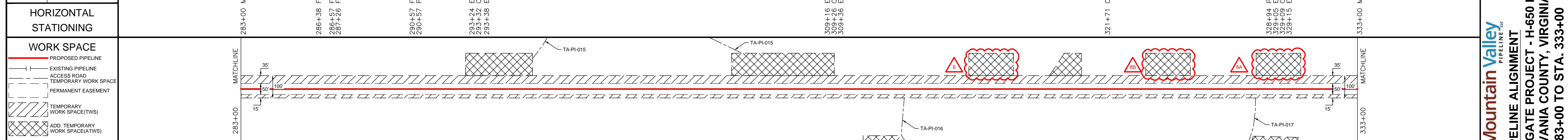
PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- TEMPORARY ACCESS RD
- TEMPORARY WORK SPACE (TWS)
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-07A	ACCESS ROAD ALIGNMENT SHEET



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.
24" O.D. X 0.375" W.T. X 7.0' FIBER	15000 LF

APPROVED FOR CONSTRUCTION

APPROVED FOR BIDDING

APPROVED FOR FERC

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 283+00 TO STA. 333+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-07**

SHEET: 7 OF 77 REV. P7

DATE OF PLOT: 10/8/2019 4:12:26 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-07	ALIGNMENT SHEET
PA-PIVA-H-650-08	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE

PITTSYLVANIA COUNTY, VIRGINIA

ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. BY	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROADS TA-PI-016 & 018

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P.O. NO.:

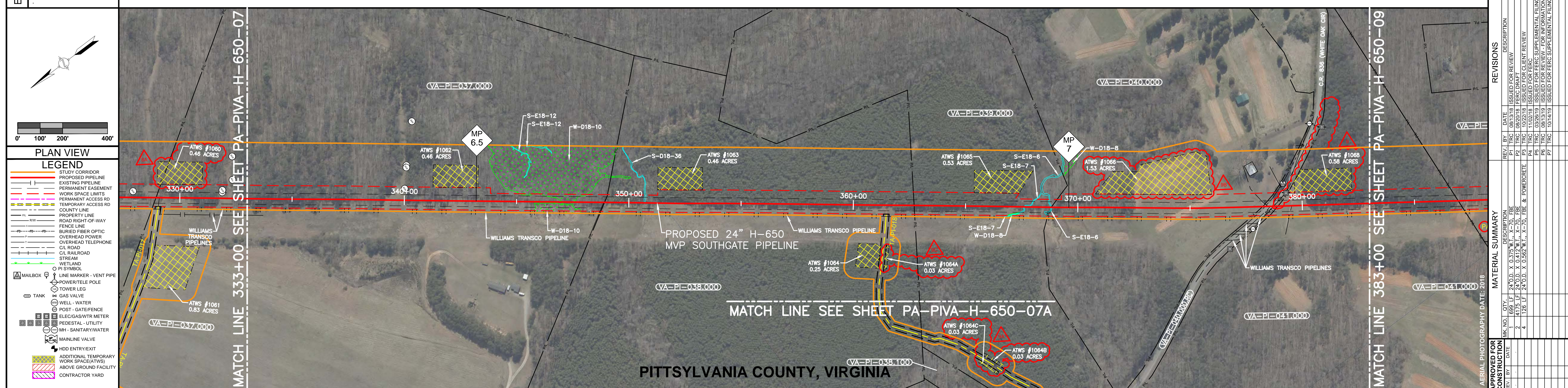
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-07A**

REV. P1

DATE OF PLOT: 10/3/2019 7:35:52 AM

RIGHT-OF-WAY & OWNERSHIP DATA		333+00	VA-PI-037.000	1592 LF	348+92	VA-PI-038.000	1379 LF	362+71	VA-PI-039.000	610 LF	368+81	VA-PI-040.000	943 LF	378+24	VA-PI-040.000.RC	C.R. 836 (WHITE OAK CIRCLE)	67 LF	378+91	VA-PI-041.000	409 LF	383+00
DESIGN	PIPE / COATING	333+00	1	333+99	2	362+71	2	368+81	2	378+24	4	378+91	2	383+00							
	SLOPE DISTANCE																				
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																				
	WETLAND / STREAM				W-D18-10	S-D18-36	53 LF	5 LF	S-E18-7	S-E18-6	4 LF	5 LF									



PLAN VIEW

LEGEND

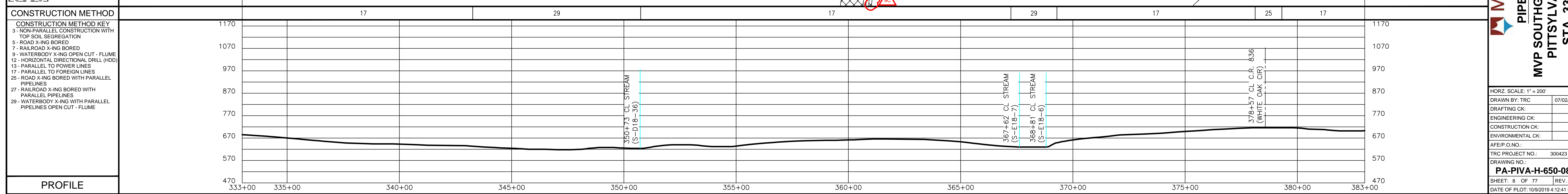
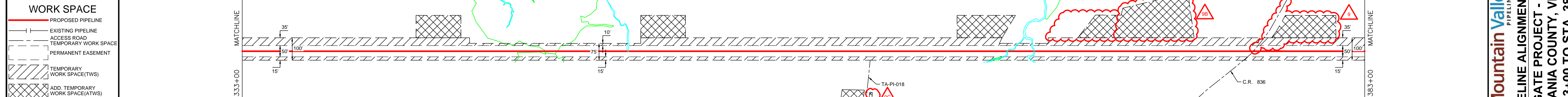
- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-07A	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING

333+00	MATCH LINE	347+03 BEGIN WETLAND (W-D18-10)	347+56 END WETLAND (W-D18-10)	348+88 FENCE, 5' CHAIN LINK	348+92 PROPERTY LINE	350+70 BEGIN STREAM (S-D18-36)	350+75 END STREAM (S-D18-36)	362+71 PROPERTY LINE	367+60 BEGIN STREAM (S-E18-7)	367+64 END STREAM (S-E18-7)	368+78 BEGIN STREAM (S-E18-6)	368+81 PROPERTY LINE (S-E18-6)	368+83 END STREAM (S-E18-6)	378+24 PROPERTY LINE	378+34 CL DITCH	378+41 EDGE OF ROAD	378+57 CL C.R. 836 (WHITE OAK CIR)	378+70 (ASPHALT) ROAD	378+70 BURIED FIBER OPTIC CABLE	378+72 OVERHEAD POWER LINE	378+73 PROPERTY LINE	378+91 CL ROAD (DIRT)	379+60 EDGE OF ROAD	383+00	MATCH LINE
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ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/03/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	08/03/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	08/03/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

QTY.	DESCRIPTION
699 LF	24" O.D. X 0.375" W.T. X-70, FBE
4175 LF	24" O.D. X 0.412" W.T. X-70, FBE
126 LF	24" O.D. X 0.502" W.T. X-70, FBE & POWERGRAB

APPROVED FOR CONSTRUCTION

APPROVED FOR FERC

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 333+00 TO STA. 383+00

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P/O NO.:

TRC PROJECT NO.: 300423

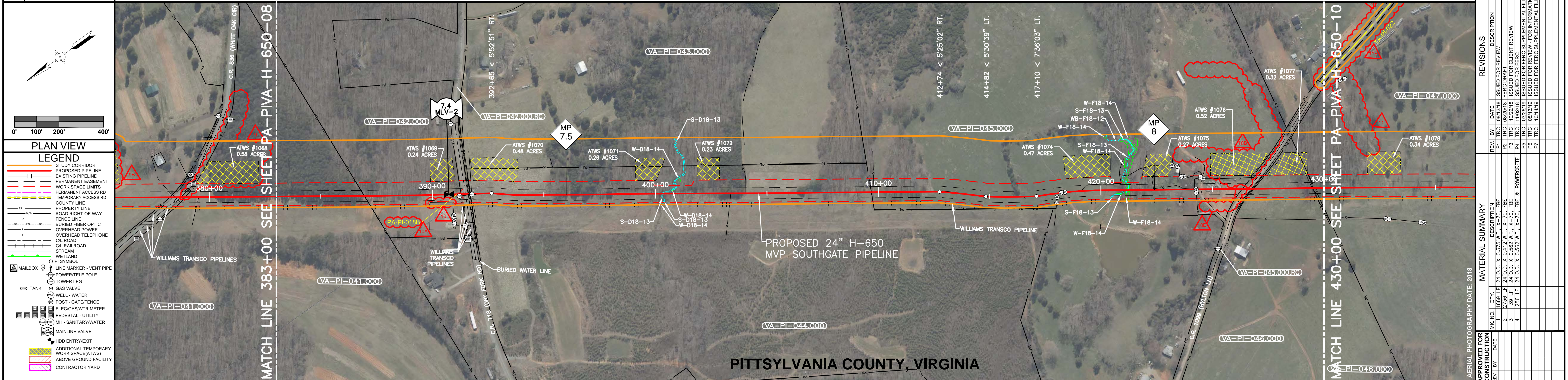
DRAWING NO.:

PA-PIVA-H-650-08

SHEET: 8 OF 77 REV. P7

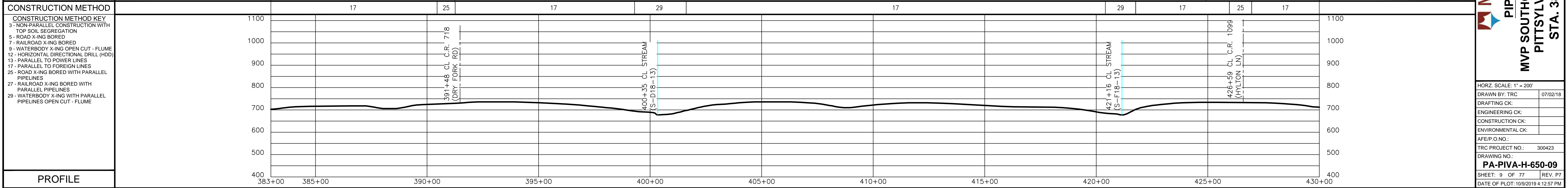
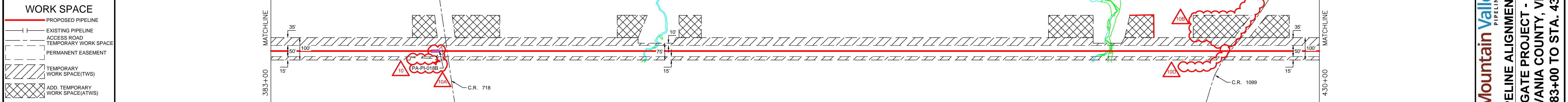
DATE OF PLOT: 10/8/2019 4:12:41 PM

RIGHT-OF-WAY & OWNERSHIP DATA	383+00	395 LF	396+95	433 LF	391+28	409+68	1800 LF	409+68	1666 LF	417+06	426+34	426+85	273 LF	429+58	42 LF	430+00
DESIGN	PIPE / COATING		2		4	2		1		2	4		2			
ENVIRONMENTAL	CONSTRUCTION EXCLUSION															
	WETLAND / STREAM					S-D18-13 3 LF						W-F18-14 3 LF	S-F18-13 9 LF	W-F18-14 5 LF		



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	X-3-XXXX-100-01	PROPOSED MAIN LINE VALVE FLOT PLAN

ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS	REV. NO.	DATE	DESCRIPTION
	P1	08/03/19	ISSUED FOR REVIEW
	P2	08/20/19	FERC DRAWING CLIENT REVIEW
	P3	11/02/19	ISSUED FOR FERC
	P4	03/20/20	ISSUED FOR FERC SUPPLEMENTAL FILING
	P5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
	P6	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
	P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

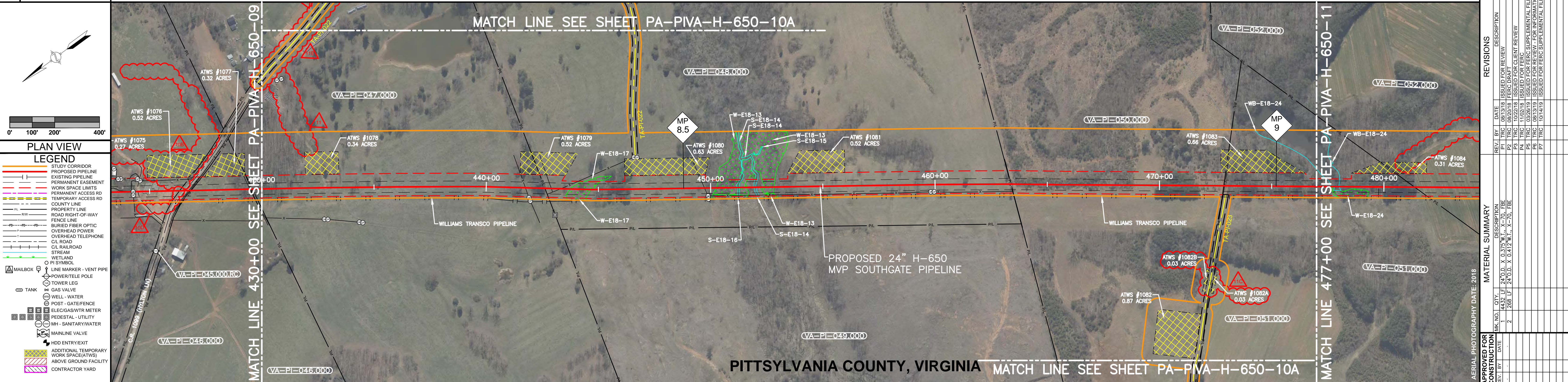
APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

Mountain Valley Pipeline LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 383+00 TO STA. 430+00

HORIZ. SCALE: 1" = 200'
 DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-09
 SHEET: 9 OF 77 REV. P7
 DATE OF PLOT: 10/8/2019 4:12:57 PM

RIGHT-OF-WAY & OWNERSHIP DATA		430+00	442+62	442+62	463+37	472+87	477+00
		1262 LF		2075 LF	950 LF	413 LF	
DESIGN	PIPE / COATING	2		1			
	SLOPE DISTANCE						
	CLASS LOCATION / HCA	2		1			
ENVIRONMENTAL	CONSTRUCTION EXCLUSION						
	WETLAND / STREAM		W-E18-17 98 LF	W-E18-13 94 LF	S-E18-16 8 LF	W-E18-13 32 LF	S-E18-14 9 LF

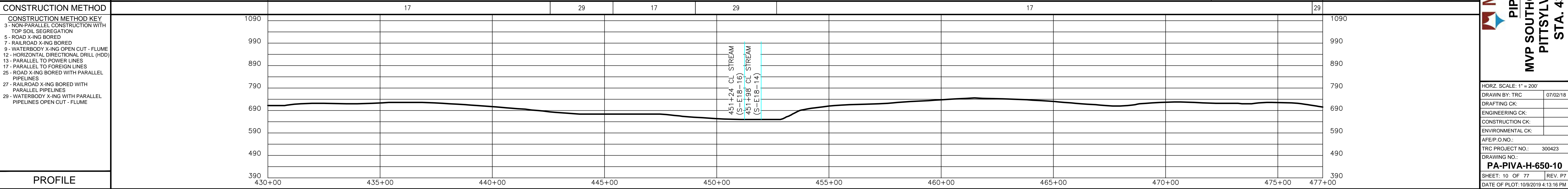
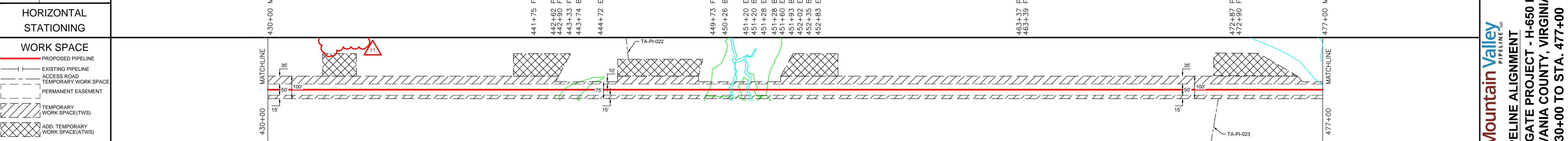


PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS		DRAWING NO.	DESCRIPTION
		PA-PVA-H-650-10A	ACCESS ROAD ALIGNMENT SHEET



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/31/18	ISSUED FOR REVIEW
P2	09/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

QTY.	DESCRIPTION
1	4432 LF 24" O.D. X 0.375" W.T. X -70, FBE
2	288 LF 24" O.D. X 0.412" W.T. X -70, FBE

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

AERIAL PHOTOGRAPHY DATE: 2018

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 430+00 TO STA. 477+00

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P O. NO.:

TRC PROJECT NO.: 300423

DRAWING NO.:

PA-PVA-H-650-10

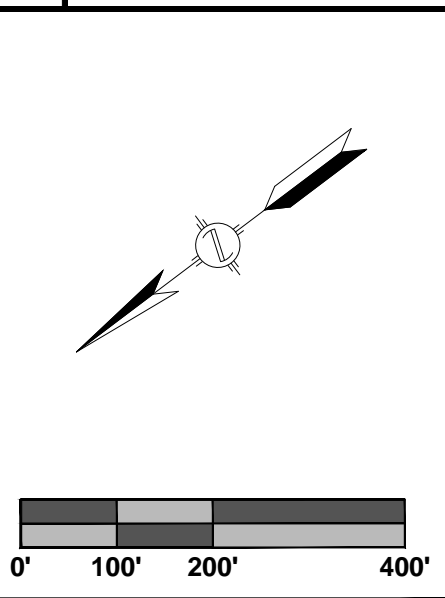
SHEET: 10 OF 77 REV. P7

DATE OF PLOT: 10/8/2019 4:13:16 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

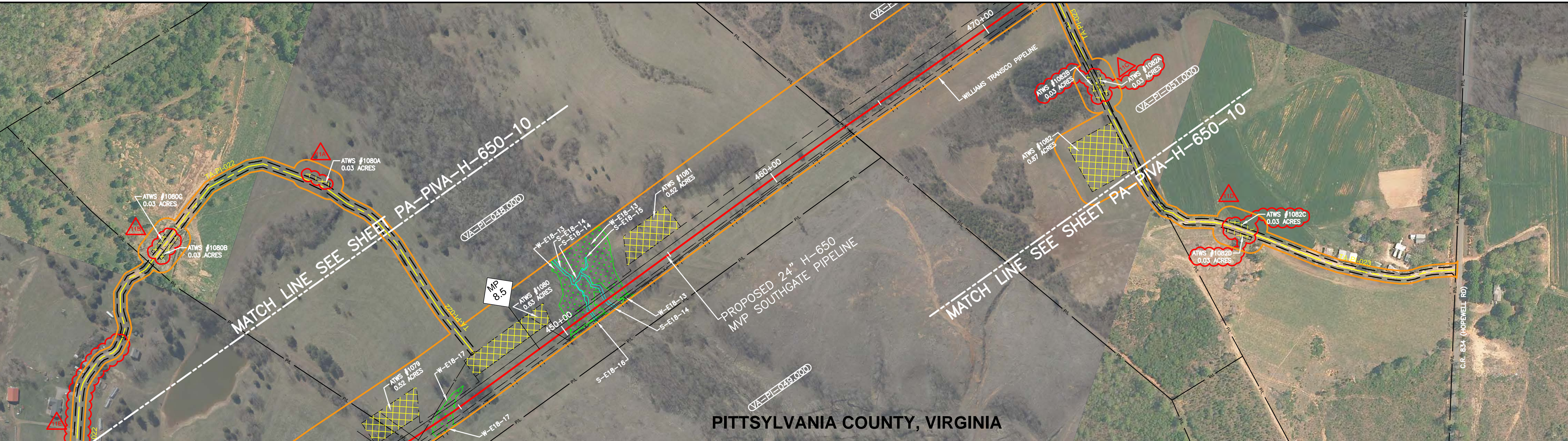
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
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- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



PITTSYLVANIA COUNTY, VIRGINIA

ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-10	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



REVISIONS

REV. BY	DATE	DESCRIPTION
PI	TRC 03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

ITEM NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

Mountain Valley PIPELINE LLC

ACCESS ROAD

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

ACCESS ROADS TA-PI-022 & 023

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PI.O.NO.:

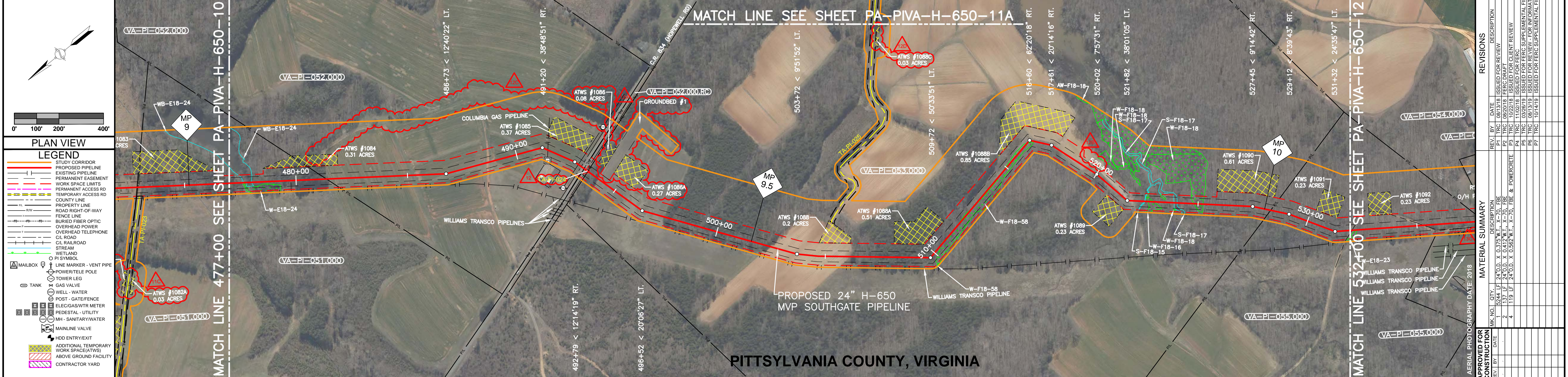
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-10A**

REV. P1

DATE OF PLOT: 10/3/2019 7:38:08 AM

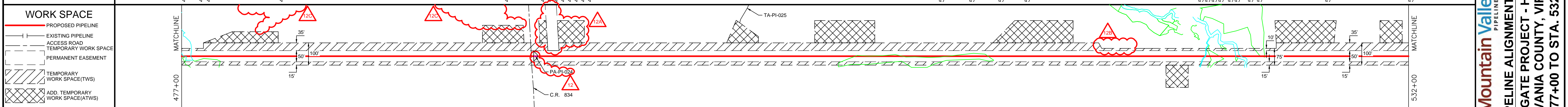
RIGHT-OF-WAY & OWNERSHIP DATA	477+00	VA-PI-051.000	437 LF	481+37	VA-PI-052.000	1194 LF	493+31	VA-PI-052.000.RC	C.R. 834 (HOPEWELL RD)	20 LF	493+51	VA-PI-053.000	3477 LF	528+28	VA-PI-055.000	372 LF	532+00							
DESIGN	PIPE / COATING																							
	SLOPE DISTANCE																							
	CLASS LOCATION / HCA																							
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																							
	WETLAND / STREAM	WB-E18-24	23 LF										WF-18-58	211 LF	WF-18-58	182 LF	S-F18-15	3 LF	W-F18-16	27 LF	S-F18-17	14 LF	W-F18-18	40 LF



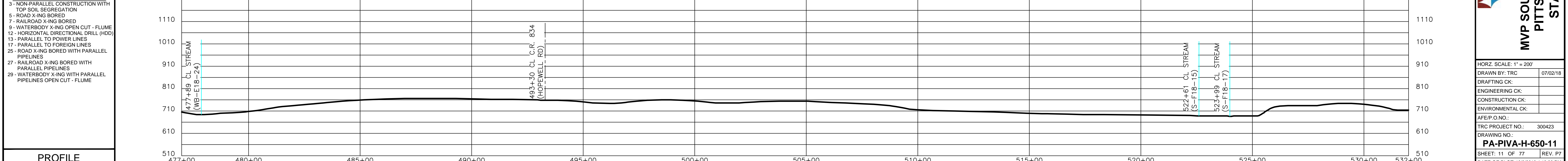
ISSUED FOR FERC SUPPLEMENTAL FILING

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-11A	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING	DESCRIPTION
477+00	MATCH LINE
477+77	BEGIN STREAM (WB-E18-24)
478+00	END STREAM (WB-E18-24)
481+37	PROPERTY LINE
491+47	COLUMBIA GAS PIPELINE
492+99	OVERHEAD POWER LINE
493+15	CL DITCH ROAD
493+30	CL C.R. 834 (HOPEWELL RD)(ASPHALT)
493+31	PROPERTY LINE
493+40	EDGE OF ROAD
493+45	CL DITCH
493+51	PROPERTY LINE
510+48	BEGIN WETLAND (W-F18-58)
512+59	END WETLAND (W-F18-58)
514+62	BEGIN WETLAND (W-F18-58)
516+44	END WETLAND (W-F18-58)
522+59	BEGIN STREAM (S-F18-15)
523+56	BEGIN WETLAND (W-F18-16)
523+03	END WETLAND (W-F18-16)
523+92	BEGIN STREAM (S-F18-17)
524+06	END STREAM (S-F18-17)
524+82	BEGIN WETLAND (W-F18-18)
525+22	END WETLAND (W-F18-18)
528+28	PROPERTY LINE
532+00	MATCH LINE



CONSTRUCTION METHOD	STATIONING	CONSTRUCTION METHOD
29	477+00 to 478+00	29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME
17	478+00 to 481+37	17 - PARALLEL TO FOREIGN LINES
3	481+37 to 491+47	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
5	491+47 to 493+51	5 - ROAD X-ING BORED
3	493+51 to 493+51	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
17	493+51 to 510+48	17 - PARALLEL TO FOREIGN LINES
3	510+48 to 512+59	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
3	512+59 to 514+62	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
3	514+62 to 516+44	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
9	516+44 to 522+59	9 - ROAD X-ING BORED WITH PARALLEL PIPELINES
3	522+59 to 523+03	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
17	523+03 to 523+92	17 - PARALLEL TO FOREIGN LINES
3	523+92 to 524+06	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
3	524+06 to 524+82	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
17	524+82 to 525+22	17 - PARALLEL TO FOREIGN LINES
3	525+22 to 528+28	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
17	528+28 to 532+00	17 - PARALLEL TO FOREIGN LINES



PROFILE	477+00	480+00	485+00	490+00	495+00	500+00	505+00	510+00	515+00	520+00	525+00	530+00	532+00
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REV. NO.	DATE	DESCRIPTION
1	08/13/18	ISSUED FOR REVIEW
2	08/20/18	FERC DRAFTER CLIENT REVIEW
3	11/02/18	ISSUED FOR REVIEW
4	11/02/18	ISSUED FOR REVIEW
5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
6	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR BIDDING	DATE

APPROVED FOR FERC	DATE

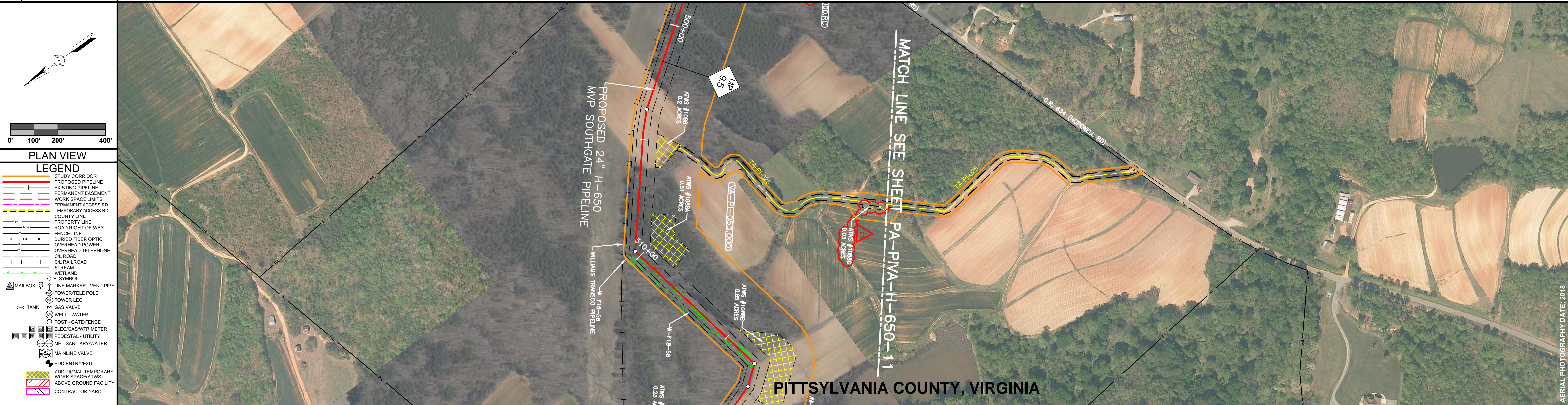
Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 477+00 TO STA. 532+00

HORIZ. SCALE: 1" = 200'
 DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-11
 SHEET: 11 OF 77 REV. P7
 DATE OF PLOT: 10/8/2019 4:13:38 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
 PIPE / COATING
 SLOPE DISTANCE
 CLASS LOCATION / HCA

ENVIRONMENTAL
 CONSTRUCTION EXCLUSION
 WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PVA-H-650-11	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
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- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE

ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

REV. NO.	DATE	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

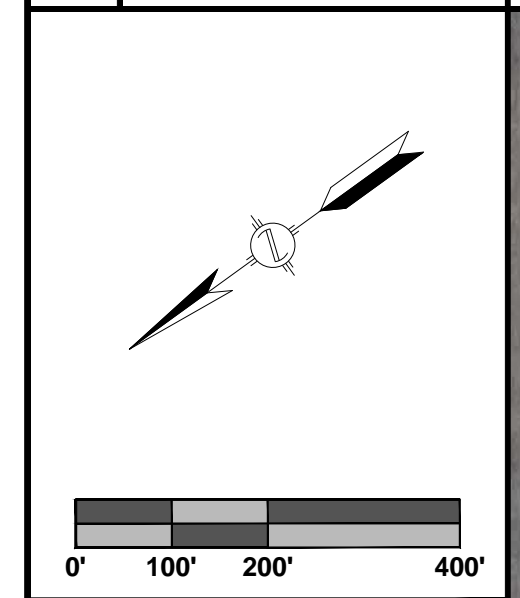
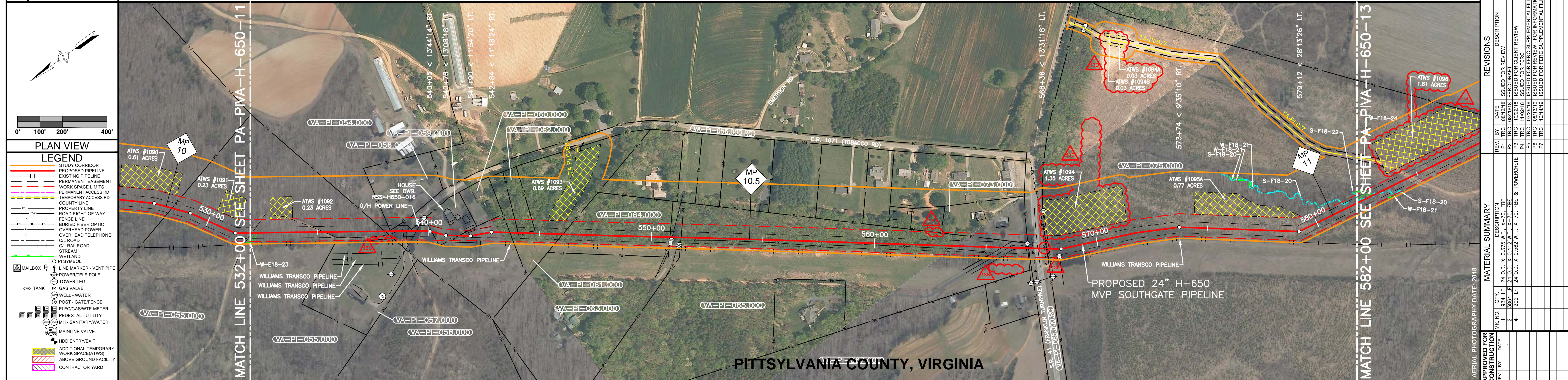
REV. BY	DATE

Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-025

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PO NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PVA-H-650-11A
REV. P1	
DATE OF PLOT:	10/3/2019 7:38:30 AM

RIGHT-OF-WAY & OWNERSHIP DATA		532+00	VA-PI-055.000	VA-PI-054.000	VA-PI-059.000	VA-PI-054.000	VA-PI-061.000	VA-PI-062.000	VA-PI-061.000	VA-PI-064.000	VA-PI-063.000	VA-PI-065.000	VA-PI-065.000.RC S.R. 41 (FRANKLIN TURNPIKE) 81 LF	VA-PI-075.000	582+00
DESIGN		PIPE / COATING	603 LF	210 LF	123 LF	230 LF	38 LF	24 LF	176 LF	480 LF	50 LF	1556 LF	4	2	1
ENVIRONMENTAL		CONSTRUCTION EXCLUSION													
		WETLAND / STREAM	W-E18-23 4 LF												



PLAN VIEW

LEGEND

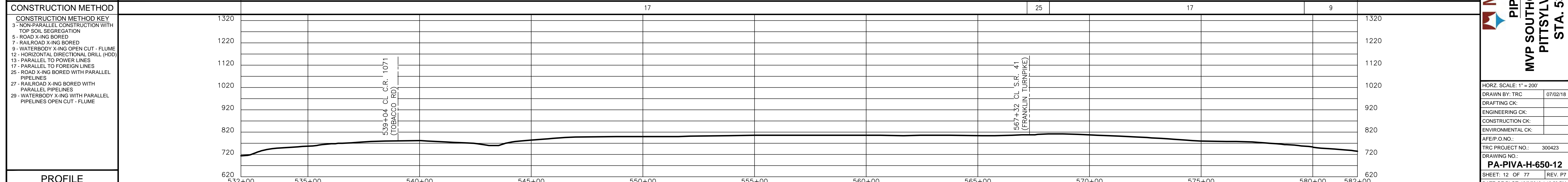
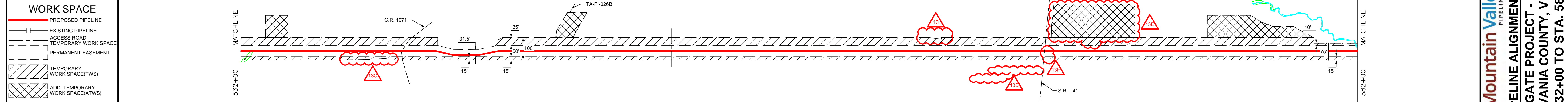
- STUDY CORRIDOR
- PROPOSED PIPELINE
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- WORK SPACE LIMITS
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- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
RSS-H850-016	RESIDENTIAL SITE SPECIFIC

HORIZONTAL STATIONING

532+00	MATCHLINE
532+02	EDGE OF ROAD
532+08	CL ROAD (GRAVEL)
532+10	BEGIN WETLAND (W-E18-23)
532+25	BEGIN WETLAND (W-E18-23)
532+29	END WETLAND (W-E18-23)
535+16	EDGE OF ROAD
535+30	CL ROAD (GRAVEL)
535+44	EDGE OF ROAD
538+03	PROPERTY LINE
538+49	EDGE OF ROAD
538+63	CL PRIVATE RD (GRAVEL)
538+81	EDGE OF ROAD
539+04	EDGE OF ROAD
539+04	CL R. 071 (TOBACCO RD) EDGE OF ROAD
539+11	EDGE OF ROAD
540+13	PROPERTY LINE
541+36	PROPERTY LINE
543+66	PROPERTY LINE
544+04	PROPERTY LINE
544+28	PROPERTY LINE
546+04	PROPERTY LINE
550+84	PROPERTY LINE
551+93	PRIVATE DRIVEWAY (ASPHALT)
551+94	PROPERTY LINE
565+71	FENCE - 4" WOOD
565+91	EDGE OF ROAD
566+00	CL PRIVATE DRIVEWAY (ASPHALT)
566+10	EDGE OF ROAD
566+64	EDGE OF ROAD
566+87	OVERHEAD POWER LINE
567+00	BURIED POWER CABLE
567+17	EDGE OF ROAD
567+32	CL S.R. 41 (FRANKLIN TURNPIKE) (ASPHALT)
567+45	EDGE OF ROAD
567+51	PROPERTY LINE
567+75	BURIED FIBER OPTIC CABLE
567+82	OVERHEAD POWER LINE
582+00	MATCHLINE



PROFILE

STATIONING	ELEVATION (FEET)
532+00	720
535+00	720
540+00	720
545+00	720
550+00	720
555+00	720
560+00	720
565+00	720
570+00	720
575+00	720
580+00	720
582+00	720

REVISIONS

REV. NO.	DATE	DESCRIPTION
1	08/31/18	ISSUED FOR REVIEW
2	09/20/18	FERC DRAWS CLIENT REVIEW
3	11/02/18	ISSUED FOR FERC
4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
5	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
6	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

APPROVED FOR CONSTRUCTION	APPROVED FOR BIDDING	APPROVED FOR FERC
1	1	1
2	2	2
3	3	3
4	4	4

AERIAL PHOTOGRAPHY DATE: 2018

ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION

REV. NO.	DATE	DESCRIPTION
1	08/31/18	ISSUED FOR REVIEW
2	09/20/18	FERC DRAWS CLIENT REVIEW
3	11/02/18	ISSUED FOR FERC
4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
5	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
6	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 532+00 TO STA. 582+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

TRC PROJECT NO.: 300423

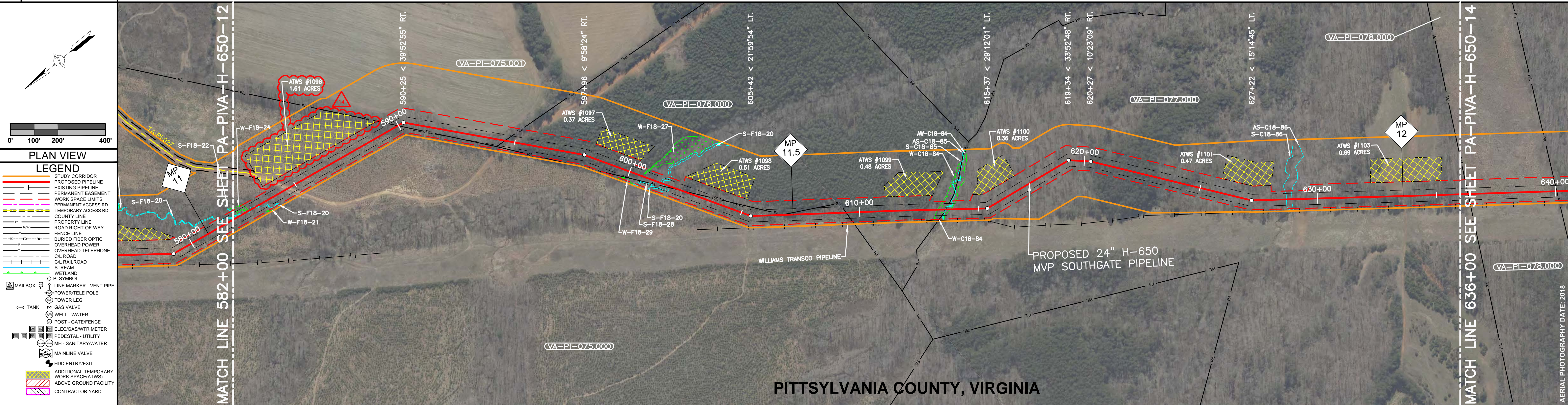
DRAWING NO.:

PA-PIVA-H-650-12

SHEET: 12 OF 77 REV. P7

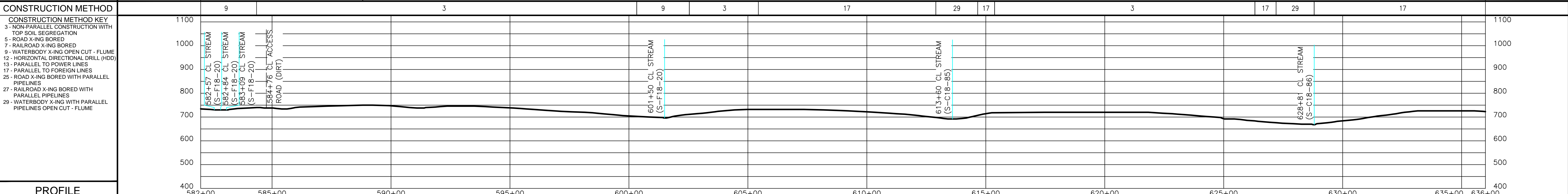
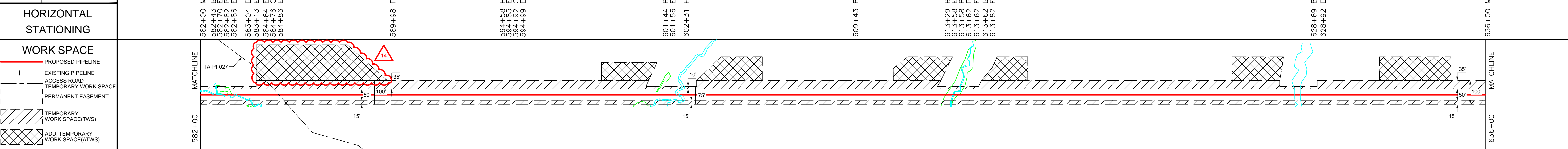
DATE OF PLOT: 10/29/2019 4:13:58 PM

RIGHT-OF-WAY & OWNERSHIP DATA	VA-PI-075.000	VA-PI-075.001	VA-PI-076.000	VA-PI-075.000	VA-PI-076.000	VA-PI-077.000							
DESIGN	PIPE / COATING	798 LF	589+98	460 LF	594+58	773 LF	602+31	712 LF	609+43	419 LF	613+62	2238 LF	636+00
ENVIRONMENTAL	CONSTRUCTION EXCLUSION												
	WETLAND / STREAM	S-F18-20 27 LF	S-F18-20 4 LF	S-F18-20 9 LF	S-F18-20 12 LF			W-C18-84 29 LF			S-C18-85 4 LF	W-C18-84 20 LF	S-C18-86 23 LF



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING	582+00 MATCH LINE	582+43 BEGIN STREAM (S-F18-20)	582+50 BEGIN STREAM (S-F18-20)	582+86 END STREAM (S-F18-20)	583+04 BEGIN STREAM (S-F18-20)	584+54 EDGE OF ROAD	584+56 ACCESS ROAD	584+56 EDGE OF ROAD	589+98 PROPERTY LINE	594+58 PROPERTY LINE	594+58 EDGE OF ROAD	594+58 EDGE OF ROAD	601+44 BEGIN STREAM (S-F18-20)	601+56 END STREAM (S-F18-20)	602+31 PROPERTY LINE	609+43 PROPERTY LINE	613+29 BEGIN WETLAND (W-C18-84)	613+56 END WETLAND (W-C18-84)	613+58 BEGIN STREAM (S-C18-85)	613+62 PROPERTY LINE	613+62 END STREAM (S-C18-85)	613+62 BEGIN WETLAND (W-C18-84)	613+62 END WETLAND (W-C18-84)	628+69 BEGIN STREAM (S-C18-86)	628+92 END STREAM (S-C18-86)	636+00 MATCH LINE
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CONSTRUCTION METHOD	CONSTRUCTION METHOD KEY	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION	5 - ROAD X-ING BORED	7 - RAILROAD X-ING BORED	9 - WATERBODY X-ING OPEN CUT - FLUME	12 - HORIZONTAL DIRECTIONAL DRILL (HDD)	13 - PARALLEL TO POWER LINES	17 - PARALLEL TO FOREIGN LINES	25 - ROAD X-ING BORED WITH PARALLEL PIPELINES	27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES	29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME
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PROFILE	582+00	585+00	590+00	595+00	600+00	605+00	610+00	615+00	620+00	625+00	630+00	635+00	636+00
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ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS	REV. NO.	DATE	DESCRIPTION
	P1	08/13/18	ISSUED FOR REVIEW
	P2	08/20/18	FERC DRAWS CLIENT REVIEW
	P3	11/02/18	ISSUED FOR REVIEW
	P4	03/26/19	ISSUED FOR FERC SUPPLEMENTAL FILING
	P5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
	P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY	QTY.	DESCRIPTION
1	5400 LF	24" O.D. X 0.375 W.T. X-70, FBE

APPROVED FOR CONSTRUCTION	REV. BY	DATE

APPROVED FOR BIDDING	REV. BY	DATE

APPROVED FOR FERC	REV. BY	DATE

Mountain Valley
PIPELINE LLC

PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 582+00 TO STA. 636+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P.O. NO.:

TRC PROJECT NO.: 300423

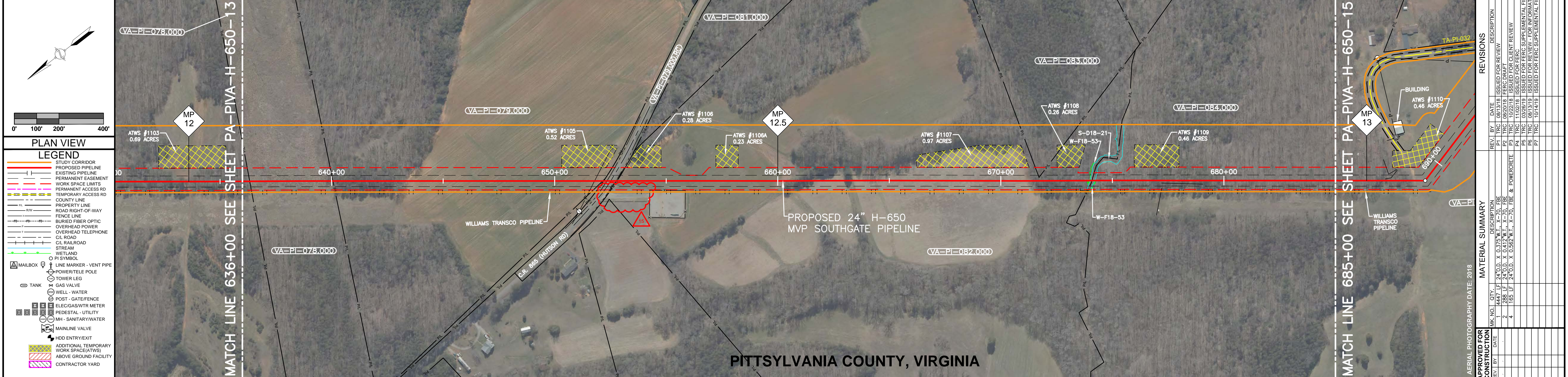
DRAWING NO.:

PA-PVA-H-650-13

SHEET: 13 OF 77 REV. P7

DATE OF PLOT: 10/29/2019 4:14:11 PM

RIGHT-OF-WAY & OWNERSHIP DATA	DESIGN	ENVIRONMENTAL
636+00 33 LF 636+33 373 LF 640+06 1209 LF 652+15 4 LF 652+19 4 60 LF 652+79 2130 LF 674+09 1091 LF 685+00	PIPE / COATING SLOPE DISTANCE CLASS LOCATION / HCA	CONSTRUCTION EXCLUSION WETLAND / STREAM W-F18-53 8 LF S-D18-21 15 LF W-F18-53 6 LF

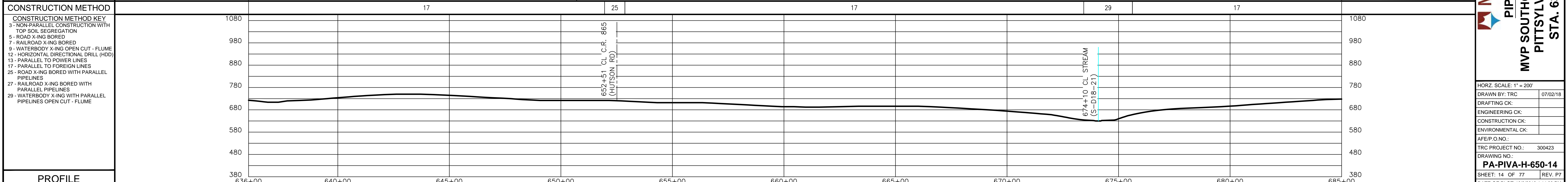
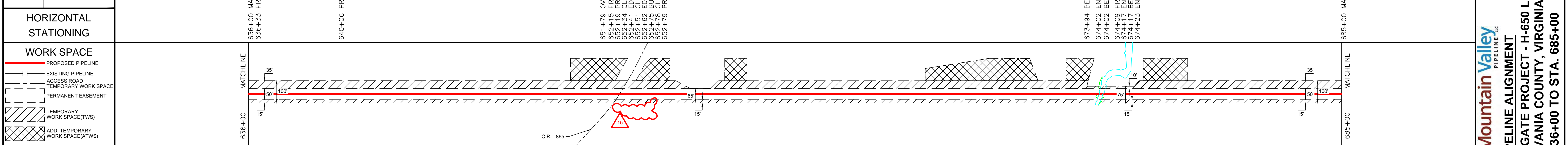


PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- O PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS	APPROVED FOR BIDDING	APPROVED FOR FERC
DRAWING NO. DESCRIPTION	REV. BY DATE	REV. BY DATE



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/31/18	ISSUED FOR REVIEW
P2	09/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	08/31/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

MARK NO.	QTY.	DESCRIPTION
1	4447 LF	24" O.D. X 0.375" W.T. X 70' FIBRE
2	288 LF	24" O.D. X 0.412" W.T. X 70' FIBRE
4	185 LF	24" O.D. X 0.582" W.T. X 70' FIBRE & CONCRETE

APPROVED FOR BIDDING

REV. BY	DATE

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

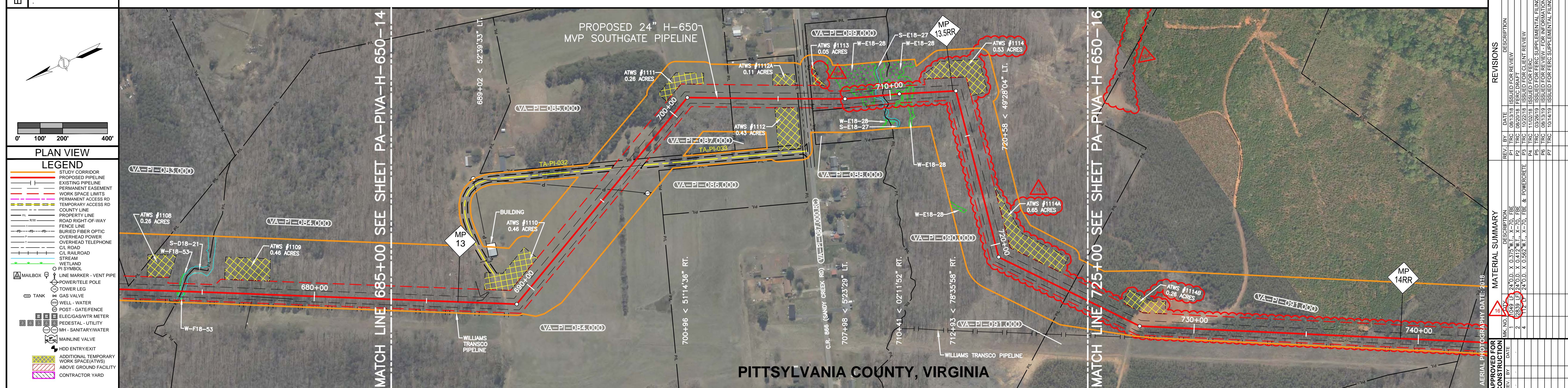
MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 636+00 TO STA. 685+00

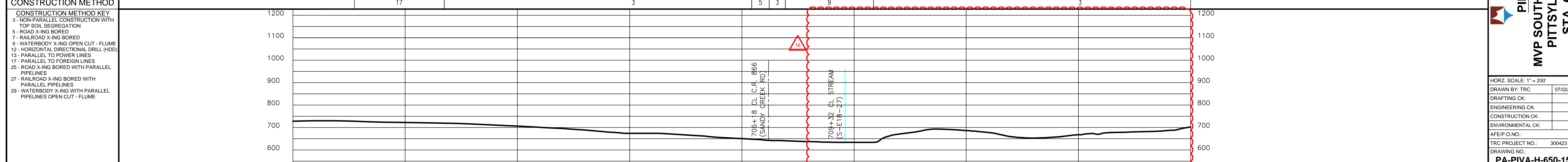
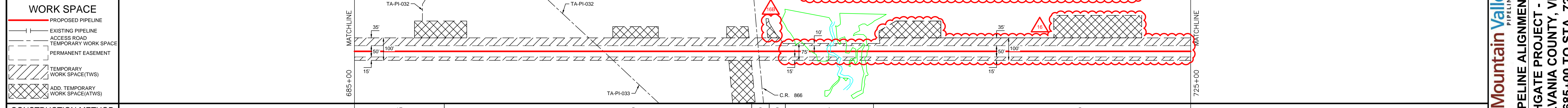
DRAWN BY: TRC
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 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/ P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-14
 SHEET: 14 OF 77
 DATE OF PLOT: 10/20/2019 4:14:33 PM

RIGHT-OF-WAY & OWNERSHIP DATA		685+00	1240 LF	697+40	548 LF	702+88	301 LF	705+89	VA-PI-087.000	706+74	320 LF	709+70	1437 LF	724+07	93 LF	725+00
DESIGN	PIPE / COATING	1		2				4				2		1		
	SLOPE DISTANCE															
	CLASS LOCATION / HCA	1				2								1		
ENVIRONMENTAL	CONSTRUCTION EXCLUSION															
	WETLAND / STREAM												W-E18-28 64 LF	S-E18-27 11 LF	W-E18-28 19 LF	W-E18-28 7 LF



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PVA-H-650-15A	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING	685+00 MATCH LINE	688+49 EDGE OF ROAD (GRAVEL)	688+54 CL ACCESS RD (GRAVEL)	688+58 EDGE OF ROAD	695+64 OVERHEAD POWER LINE	696+93 EDGE OF ROAD (GRAVEL)	697+04 CL ACCESS RD (GRAVEL)	697+40 PROPERTY LINE	702+88 PROPERTY LINE	705+89 PROPERTY LINE	706+02 CL DITCH	706+10 EDGE OF ROAD	706+18 CL C.R. 866 (SANDY CREEK RD) (ASPHALT)	706+24 EDGE OF ROAD	706+50 PROPERTY LINE	708+62 BEGIN WETLAND (W-E18-28)	709+26 END WETLAND (W-E18-28)	709+49 BEGIN WETLAND (W-E18-28)	709+57 END WETLAND (W-E18-28)	709+70 PROPERTY LINE	710+95 BEGIN WETLAND (W-E18-28)	710+24 END WETLAND (W-E18-28)	710+50 BEGIN WETLAND (W-E18-28)	710+77 END WETLAND (W-E18-28)	711+00 END WETLAND (W-E18-28)	724+07 PROPERTY LINE	725+00 MATCH LINE
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PROFILE	685+00	690+00	695+00	700+00	705+00	710+00	715+00	720+00	725+00
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CONSTRUCTION METHOD	CONSTRUCTION METHOD KEY	17	3	5	3	9	3
	3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION						
	5 - ROAD X-ING BORED						
	7 - RAILROAD X-ING BORED						
	9 - WATERBODY X-ING OPEN CUT - FLUME						
	12 - HORIZONTAL DIRECTIONAL DRILL (HDD)						
	13 - PARALLEL TO POWER LINES						
	17 - PARALLEL TO FOREIGN LINES						
	25 - ROAD X-ING BORED WITH PARALLEL PIPELINES						
	27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES						
	29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME						



REVISIONS	REV. NO.	DATE	DESCRIPTION
	1	08/13/18	ISSUED FOR REVIEW
	2	08/20/18	FERC DRAWS CLIENT REVIEW
	3	11/02/18	ISSUED FOR FERC
	4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
	5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
	6	08/13/19	ISSUED FOR FERC SUPPLEMENTAL FILING
	7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION	DATE
	08/13/18

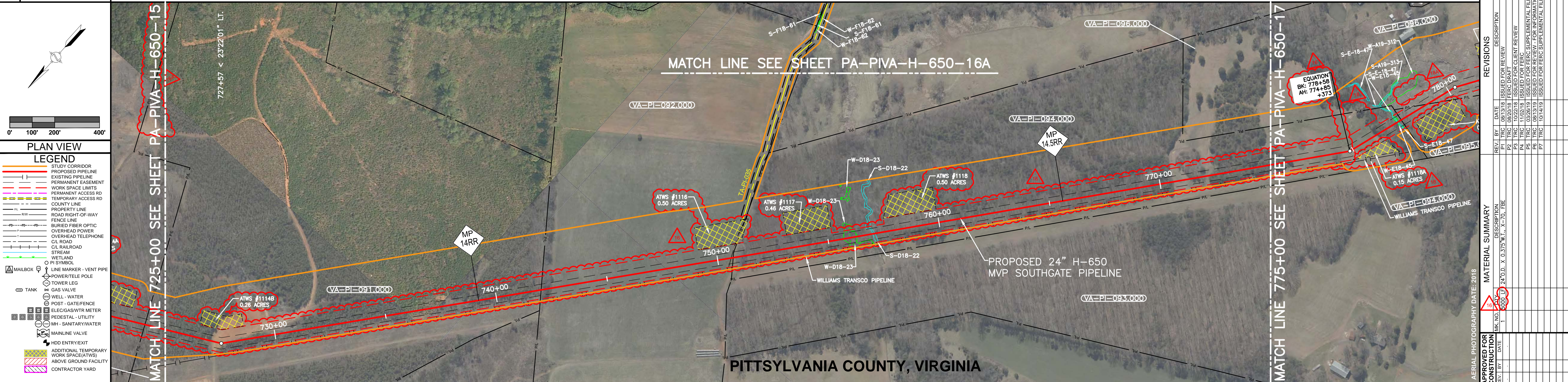
APPROVED FOR BIDDING	DATE
	08/13/18

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 685+00 TO STA. 725+00

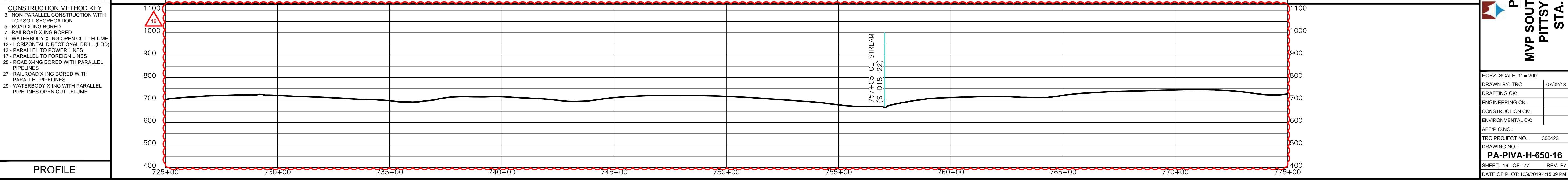
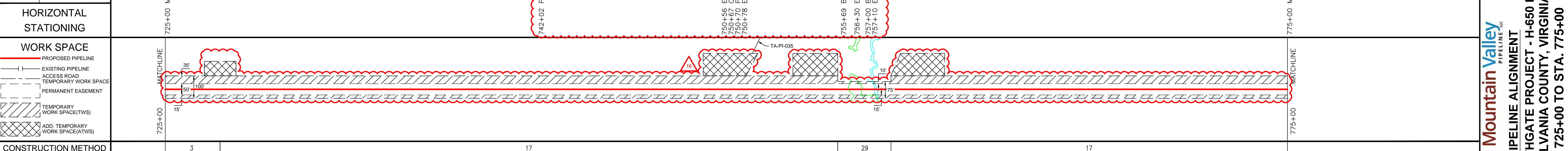
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	CONSTRUCTION CK:	
	ENVIRONMENTAL CK:	
	AFE/PO NO.:	
	TRC PROJECT NO.:	300423
	DRAWING NO.:	PA-PVA-H-650-15
	SHEET: 15 OF 77	REV. P7
	DATE OF PLOT: 10/8/2019 4:14:56 PM	

ISSUED FOR FERC SUPPLEMENTAL FILING

RIGHT-OF-WAY & OWNERSHIP DATA		725+00	725+00	742+02	750+70	775+00	775+00	
DESIGN		VA-PI-091.000 1702 LF VA-PI-092.000 868 LF VA-PI-094.000 2430 LF						16
ENVIRONMENTAL		W-D18-23 61 LF S-D18-22 10 LF						16



REFERENCE DRAWINGS		DRAWING NO.	DESCRIPTION
		PA-PIVA-H-650-15A	ACCESS ROAD ALIGNMENT SHEET



REV.	BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFTER CLIENT REVIEW
P3	TRC	11/02/18	ISSUED FOR FERC
P4	TRC	03/26/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	TRC	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	TRC	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	TRC	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION	APPROVED FOR BIDDING	APPROVED FOR FERC
REV. BY DATE	REV. BY DATE	REV. BY DATE

MATERIAL SUMMARY	
DESCRIPTION	QTY
24" O.D. X 0.375 W.T. X 70' FIBER	5000 LF

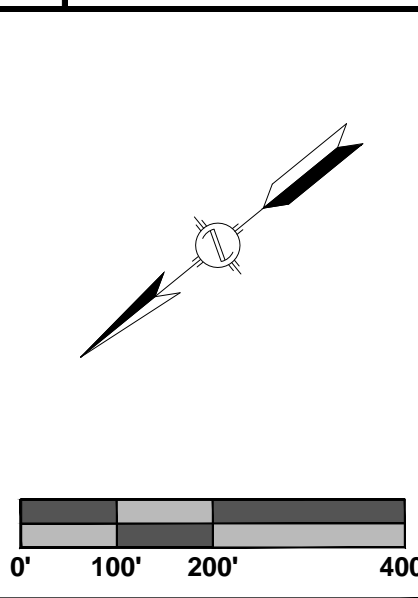
Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 725+00 TO STA. 775+00

HORZ. SCALE: 1" = 200'
 DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/PI.O.NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-16
 SHEET: 16 OF 77 REV. P7
 DATE OF PLOT: 10/8/2019 4:15:09 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

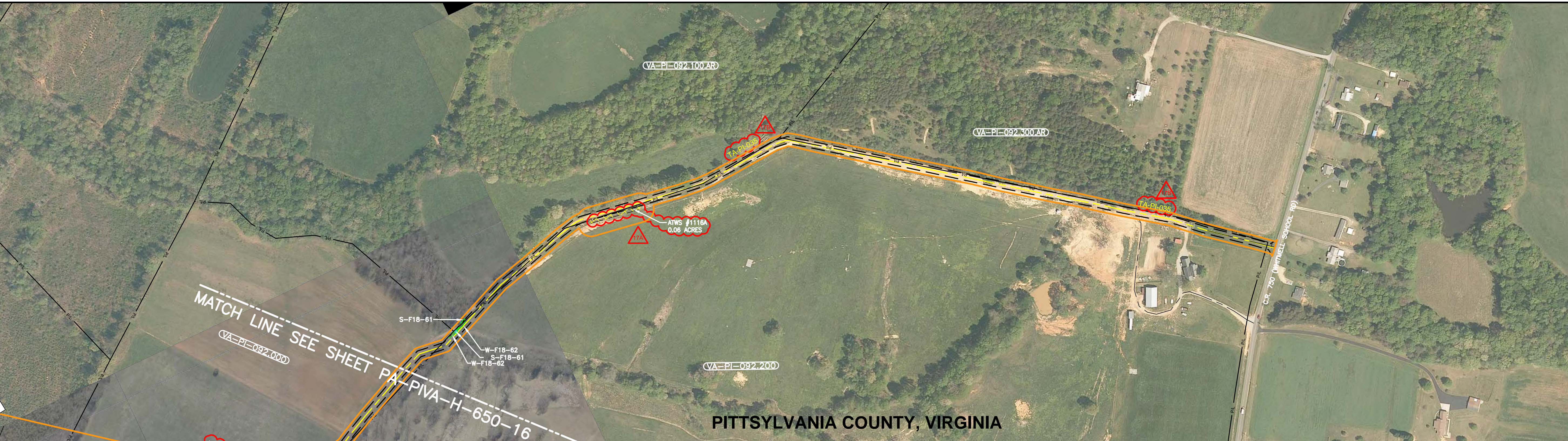
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



PITTSYLVANIA COUNTY, VIRGINIA

ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-16	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE (TWS)
- ADD. TEMPORARY WORK SPACE (ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



REVISIONS

REV. BY	DATE	DESCRIPTION
PI	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

AERIAL PHOTOGRAPHY DATE: 2018

APPROVED FOR FERC

REV. BY	DATE

Mountain Valley PIPELINE LLC

ACCESS ROAD

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

ACCESS ROAD TA-PI-035

HORZ. SCALE: 1" = 200'

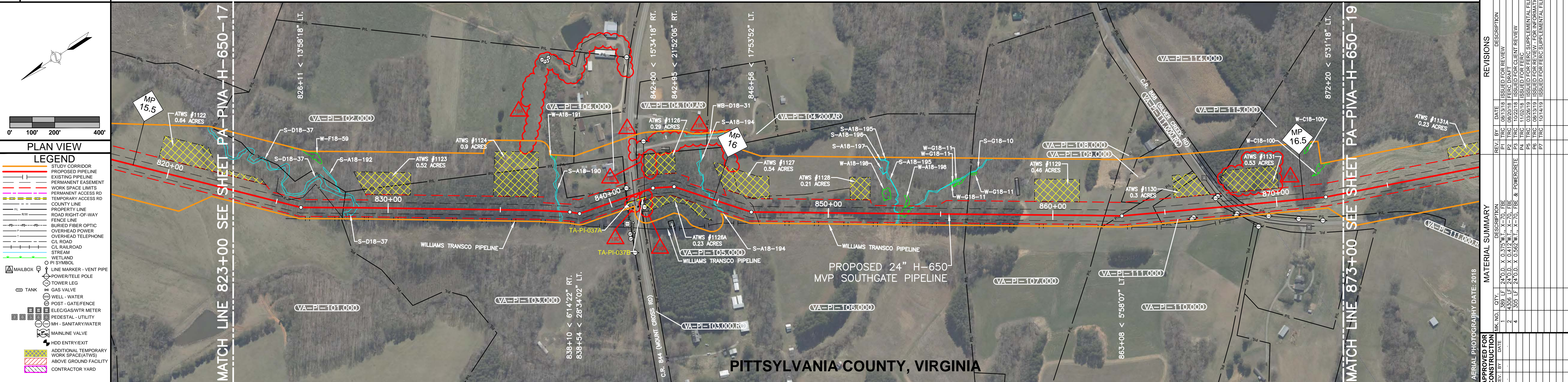
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CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PI.O.NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PIVA-H-650-16A
REV. P1	

DATE OF PLOT: 10/3/2019 7:37:08 AM

RIGHT-OF-WAY & OWNERSHIP DATA		823+00	823+100	828+01	1273 LF	840+74	841+35	1481 LF	856+17	862+32	862+99	864+62	867+60	868+61	873+00
		VA-PI-101.000	501 LF	VA-PI-103.000		VA-PI-103.000.RC	C.R. 844 (MOUNT CROSS RD)	62 LF	VA-PI-106.000	VA-PI-107.000	VA-PI-108.000	VA-PI-110.000	VA-PI-111.000	VA-PI-111.000.RC	VA-PI-115.000

DESIGN																
PIPE / COATING																
SLOPE DISTANCE																
CLASS LOCATION / HCA																

ENVIRONMENTAL																		
CONSTRUCTION EXCLUSION																		
WETLAND / STREAM		S-D18-37					S-A18-190			S-A18-194	S-A18-194				S-A18-195	W-A18-198		
		24 LF					6 LF			5 LF	2 LF				3 LF	39 LF		



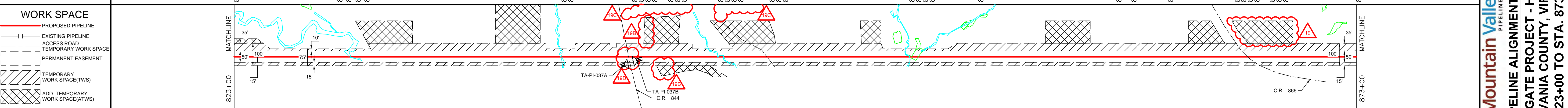
PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
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- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
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- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS																
DRAWING NO.	DESCRIPTION															

HORIZONTAL STATIONING																



CONSTRUCTION METHOD																
CONSTRUCTION METHOD KEY																
3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION																
5 - ROAD X-ING BORED																
7 - RAILROAD X-ING BORED																
9 - WATERBODY X-ING OPEN CUT - FLUME																
12 - HORIZONTAL DIRECTIONAL DRILL (HDD)																
13 - PARALLEL TO POWER LINES																
17 - PARALLEL TO FOREIGN LINES																
25 - ROAD X-ING BORED WITH PARALLEL PIPELINES																
27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES																
29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME																
		1190														1190
		1090														1090
		990														990
		890														890
		790														790
		690														690
		590														590
		490														490

PROFILE																

ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/31/18	ISSUED FOR REVIEW
P2	09/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P6	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

REV. NO.	DATE	DESCRIPTION
M1	08/31/18	ISSUED FOR REVIEW
M2	09/20/18	FERC DRAFTER CLIENT REVIEW
M3	11/02/18	ISSUED FOR FERC
M5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
M6	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
M7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION

REV. NO.	DATE	DESCRIPTION
C1	08/31/18	ISSUED FOR REVIEW
C2	09/20/18	FERC DRAFTER CLIENT REVIEW
C3	11/02/18	ISSUED FOR FERC
C5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
C6	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
C7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR BIDDING

REV. NO.	DATE	DESCRIPTION
B1	08/31/18	ISSUED FOR REVIEW
B2	09/20/18	FERC DRAFTER CLIENT REVIEW
B3	11/02/18	ISSUED FOR FERC
B5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
B6	08/31/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
B7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

AERIAL PHOTOGRAPHY DATE: 2018

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 823+00 TO STA. 873+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

TRC PROJECT NO.: 300423

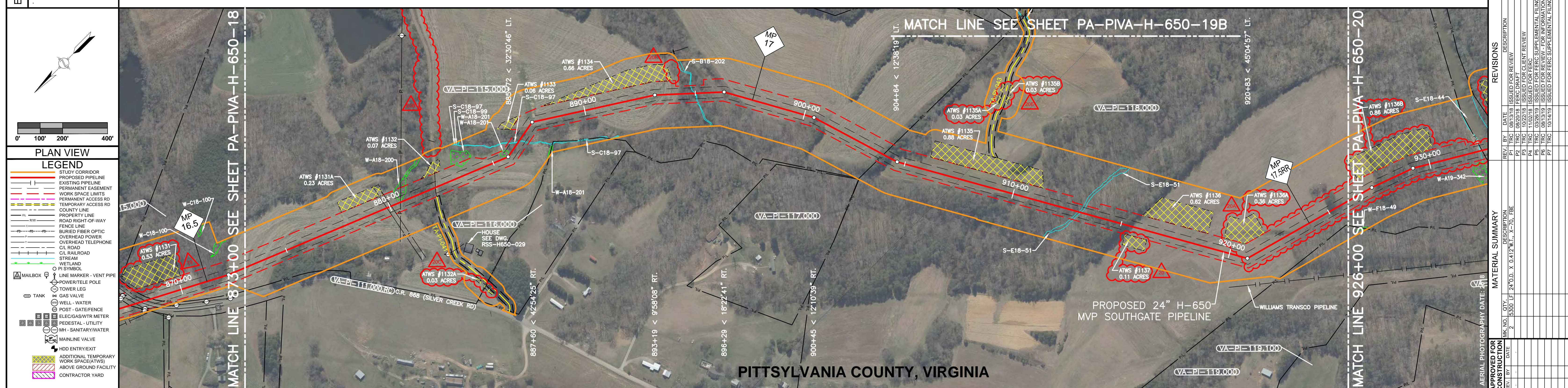
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PA-PIVA-H-650-18

SHEET: 18 OF 77 REV. P7

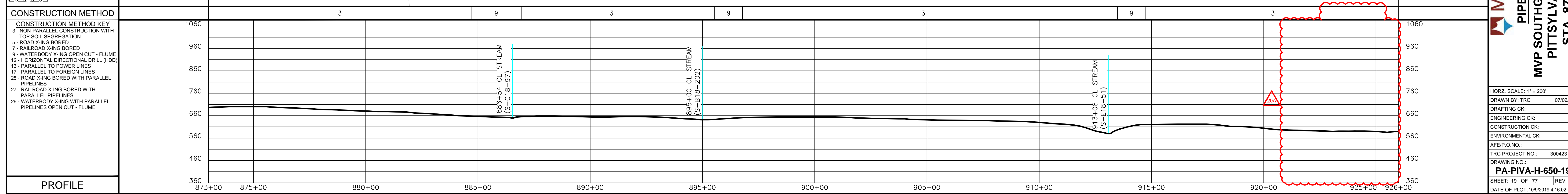
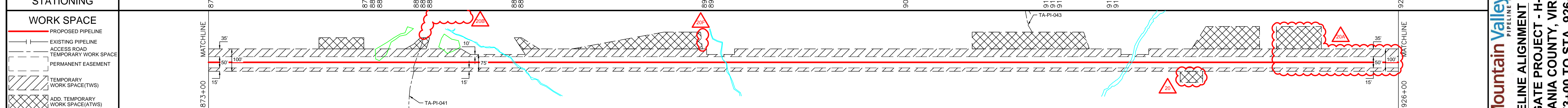
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RIGHT-OF-WAY & OWNERSHIP DATA	873+00	3095 LF	903+95	2205 LF	926+00
DESIGN	PIPE / COATING	2		1	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION	2		1	
	WETLAND / STREAM	S-C18-97 6 LF	S-B18-202 3 LF	S-E18-51 12 LF	



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIV-H-650-19B	ACCESS ROAD ALIGNMENT SHEET
	RSS-H650-029	RESIDENTIAL SITE SPECIFIC

ISSUED FOR FERC SUPPLEMENTAL FILING



REV.	BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAWS CLIENT REVIEW
P3	TRC	11/02/18	ISSUED FOR FERC
P4	TRC	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	TRC	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	TRC	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	TRC	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

APPROVED FOR FERC	DATE

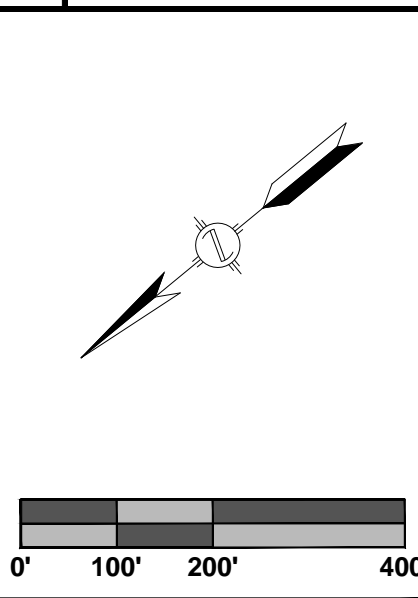
Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 873+00 TO STA. 926+00

HORZ. SCALE: 1" = 200'
 DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIV-H-650-19
 SHEET: 19 OF 77 REV. P7
 DATE OF PLOT: 10/8/2019 4:18:02 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

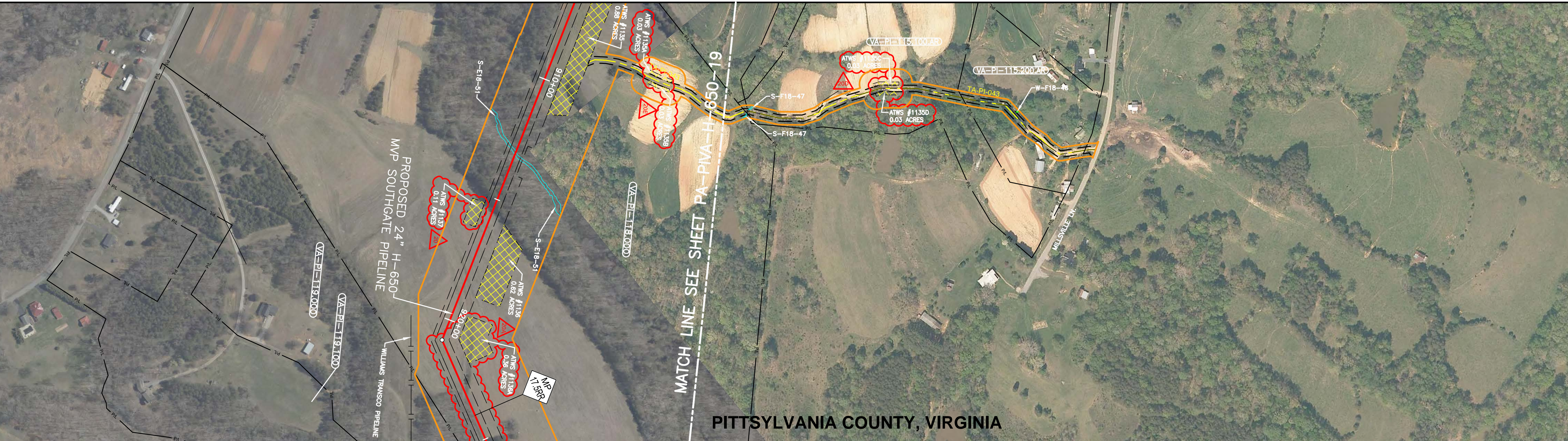
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



PITTSYLVANIA COUNTY, VIRGINIA

ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PVA-H-650-18	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

ITEM NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. BY	DATE

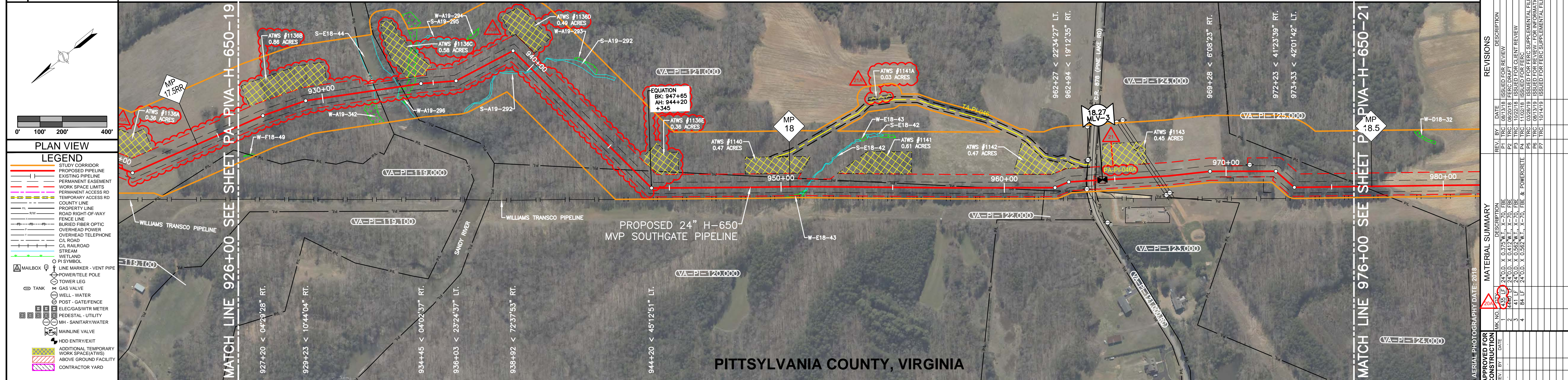
Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-043

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PO NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PVA-H-650-19B
REV. P1	

DATE OF PLOT: 10/3/2019 7:37:47 AM

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-118.000		VA-PI-121.000		VA-PI-120.000		VA-PI-121.000		VA-PI-121.000.RC		VA-PI-124.000	
PIPE / COATING		643 LF		1296 LF		1626 LF		443 LF		40 LF		1185 LF	
SLOPE DISTANCE				2						4		2	
CLASS LOCATION / HCA				1						2		1	
CONSTRUCTION EXCLUSION													
WETLAND / STREAM		S-E18-44 113 LF		W-A19-296 34 LF		S-A19-292 6 LF		S-E18-42 6 LF					

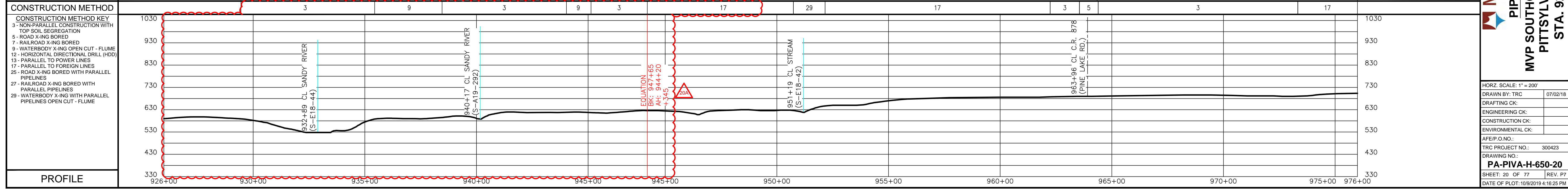
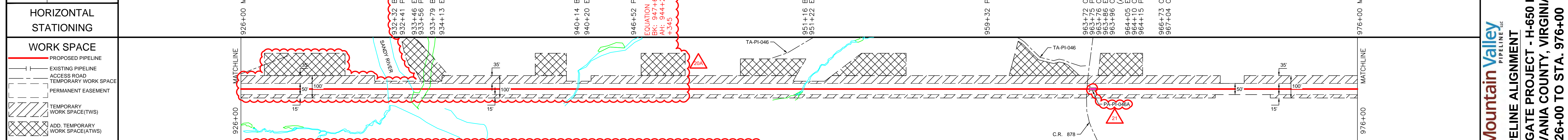


PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

DRAWING NO.	DESCRIPTION
X-X-XXXX-1100-01	PROPOSED MAIN LINE VALVE FLOT PLAN



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
1	08/13/18	ISSUED FOR REVIEW
2	08/20/18	FERC DRAFTER CLIENT REVIEW
3	11/02/18	ISSUED FOR FERC
4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
6	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

REV. NO.	DATE	DESCRIPTION
1	08/13/18	24" O.D. X 0.375" W.T. X-70, FBE
2	08/20/18	24" O.D. X 0.412" W.T. X-70, FBE
3	11/02/18	24" O.D. X 0.562" W.T. X-70, FBE & POWDERCOAT
4	03/20/19	24" O.D. X 0.562" W.T. X-70, FBE & POWDERCOAT

APPROVED FOR CONSTRUCTION

APPROVED FOR BIDDING

APPROVED FOR FERC

AERIAL PHOTOGRAPHY DATE: 2018

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 926+00 TO STA. 976+00

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

TRC PROJECT NO.: 300423

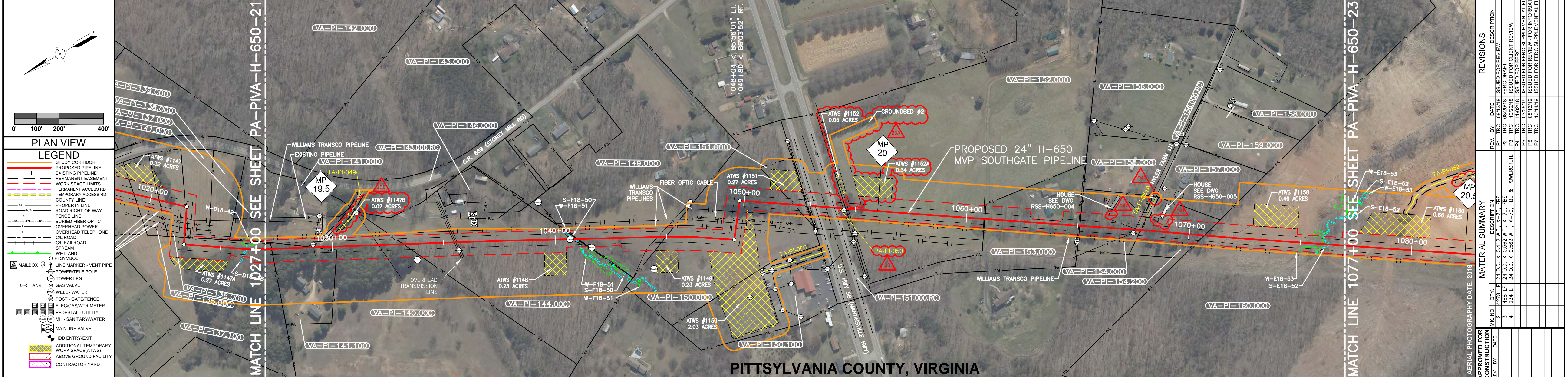
DRAWING NO.:

PA-PIVA-H-650-20

SHEET: 20 OF 77 REV. P7

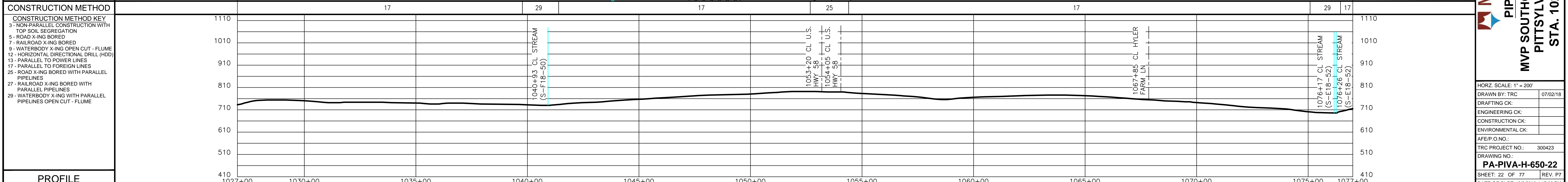
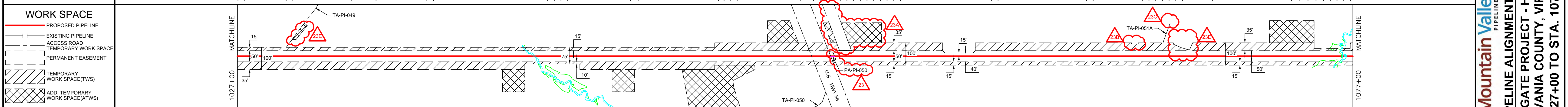
DATE OF PLOT: 10/8/2019 4:18:25 PM

RIGHT-OF-WAY & OWNERSHIP DATA		1027+00	VA-PI-137.100	VA-PI-141.100	VA-PI-140.000	VA-PI-144.000	VA-PI-149.000	VA-PI-150.000	VA-PI-151.000	VA-PI-151.000.RC	VA-PI-152.000	VA-PI-153.000	VA-PI-154.000	VA-PI-154.200	VA-PI-160.000	1077+00
DESIGN	PIPE / COATING		28 LF	188 LF	403 LF	780 LF	398 LF	726 LF	61 LF	172 LF	626 LF	427 LF	273 LF	286 LF	632 LF	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION															
	WETLAND / STREAM						S-F18-50 9 LF							W-E18-53 6 LF	S-E18-52 9 LF	W-E18-53 3 LF



REFERENCE DRAWINGS	DESCRIPTION
RSS-H650-004	RESIDENTIAL SITE SPECIFIC
RSS-H650-005	RESIDENTIAL SITE SPECIFIC

HORIZONTAL STATIONING	DESCRIPTION
1027+00	MATCH LINE
1027+28	PROPERTY LINE
1029+16	PROPERTY LINE
1029+17	OVERHEAD POWER LINE
1032+08	OVERHEAD POWER LINE
1033+19	PROPERTY LINE
1035+47	OVERHEAD TRANSMISSION LINE
1035+62	OVERHEAD TRANSMISSION LINE
1040+88	BEGIN STREAM (S-F18-50)
1040+93	PROPERTY LINE (S-F18-50)
1041+03	FENCE, 5' WIRE
1044+60	FENCE, 6' ELECTRIC
1044+97	PROPERTY LINE
1048+54	WILLIAMS TRANSCO PIPELINE
1048+69	BURIED FIBER OPTIC CABLE
1049+30	WILLIAMS TRANSCO PIPELINE
1052+23	PROPERTY LINE
1052+80	FENCE, 5' WIRE
1052+84	PROPERTY LINE
1052+85	OVERHEAD POWER LINE
1053+09	EDGE OF ROAD
1053+20	CL U.S. HWY 58 (ASPHALT)
1053+32	EDGE OF ROAD
1053+66	CL DITCH
1054+05	CL U.S. HWY 58 (ASPHALT)
1054+20	EDGE OF ROAD
1054+46	OVERHEAD POWER LINE
1054+56	PROPERTY LINE
1054+67	FENCE, 4' WOOD
1060+77	FENCE, 4' WOOD
1060+82	PROPERTY LINE
1065+04	FENCE, 4' WOOD
1065+09	PROPERTY LINE
1067+54	EDGE OF DRIVEWAY
1067+57	OVERHEAD POWER LINE
1067+89	CL DRIVEWAY (DIRT)
1067+89	CL DRIVEWAY
1067+82	PROPERTY LINE
1067+85	CL HYLER FARM LN (GRAVEL)
1067+91	EDGE OF ROAD
1070+68	PROPERTY LINE
1076+06	BEGIN WETLAND (W-E18-53)
1076+12	END WETLAND (W-E18-53)
1076+12	BEGIN STREAM (S-E18-52)
1076+21	END STREAM (S-E18-52)
1076+24	BEGIN WETLAND (W-E18-53)
1076+24	END WETLAND (W-E18-53)
1076+24	BEGIN STREAM (S-E18-52)
1076+28	END STREAM (S-E18-52)
1077+00	MATCH LINE



CONSTRUCTION METHOD	DESCRIPTION
3	NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
5	ROAD X-ING BORED
7	RAILROAD X-ING BORED
9	WATERBODY X-ING OPEN CUT - FLUME
12	HORIZONTAL DIRECTIONAL DRILL (HDD)
13	PARALLEL TO POWER LINES
17	PARALLEL TO FOREIGN LINES
25	ROAD X-ING BORED WITH PARALLEL PIPELINES
27	RAILROAD X-ING BORED WITH PARALLEL PIPELINES
29	WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE	STATIONING	ELEVATION (FEET)
	1027+00	710
	1030+00	710
	1035+00	710
	1040+00	710
	1045+00	710
	1050+00	710
	1055+00	710
	1060+00	710
	1065+00	710
	1070+00	710
	1075+00	710
	1077+00	710

ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS	NO.	DATE	DESCRIPTION
	1	08/13/19	ISSUED FOR REVIEW
	2	08/20/19	FERC DRAFTER CLIENT REVIEW
	3	08/20/19	FERC DRAFTER CLIENT REVIEW
	4	11/02/19	ISSUED FOR FERC
	5	03/06/20	ISSUED FOR FERC SUPPLEMENTAL FILING
	6	08/20/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
	7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

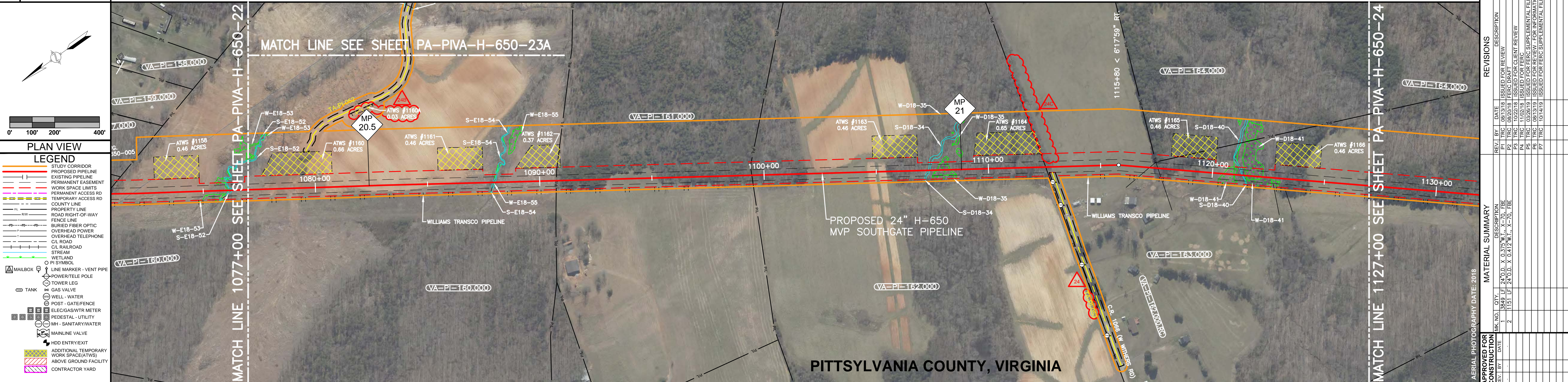
APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

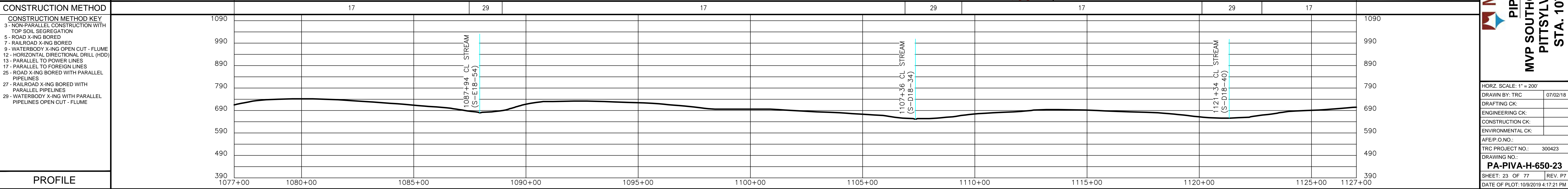
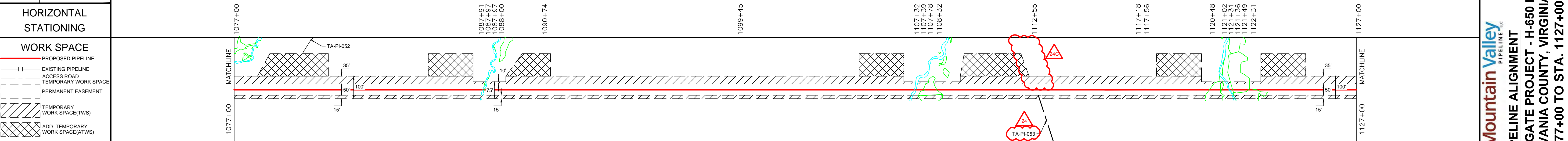
Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 1027+00 TO STA. 1077+00

HORZ. SCALE: 1" = 200'	DATE: 07/02/18
DRAWN BY: TRC	
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/P.O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-PIVA-H-650-22	
SHEET: 22 OF 77	REV. P7
DATE OF PLOT: 10/8/2019 4:17:00 PM	

RIGHT-OF-WAY & OWNERSHIP DATA	1077+00	VA-PI-160.000	1090+74	VA-PI-161.000	1099+45	VA-PI-162.000	1112+55	VA-PI-163.000	1127+00	
DESIGN	PIPE / COATING	1	2	1	1	1	1	1	1	
DESIGN	SLOPE DISTANCE									
DESIGN	CLASS LOCATION / HCA	2	1	2			1			
ENVIRONMENTAL	CONSTRUCTION EXCLUSION									
ENVIRONMENTAL	WETLAND / STREAM		S-E18-54 6 LF	W-E18-55 3 LF		S-D18-34 7 LF	W-D18-35 54 LF	W-D18-41 54 LF	S-D18-40 5 LF	W-D18-41 82 LF



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIVA-H-650-23A	ACCESS ROAD ALIGNMENT SHEET



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS	REV. BY	DATE	DESCRIPTION
	P1	08/03/18	ISSUED FOR REVIEW
	P2	08/20/18	FERC DRAFTER CLIENT REVIEW
	P3	11/02/18	ISSUED FOR FERC
	P4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
	P5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
	P6	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
	P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 1077+00 TO STA. 1127+00

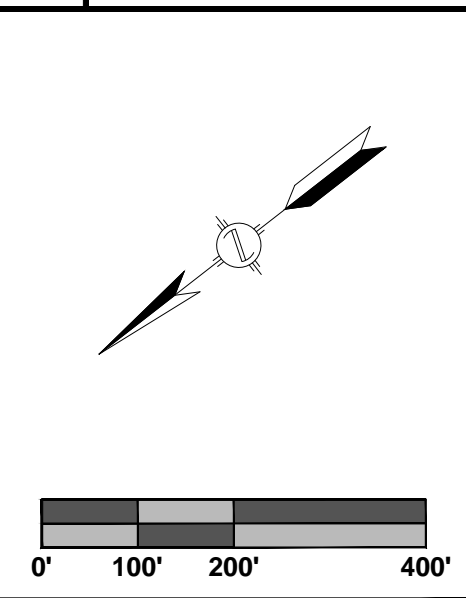
HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-23
 SHEET: 23 OF 77 REV. P7
 DATE OF PLOT: 10/8/2019 4:17:21 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN	PIPE / COATING	
	SLOPE DISTANCE	
	CLASS LOCATION / HCA	

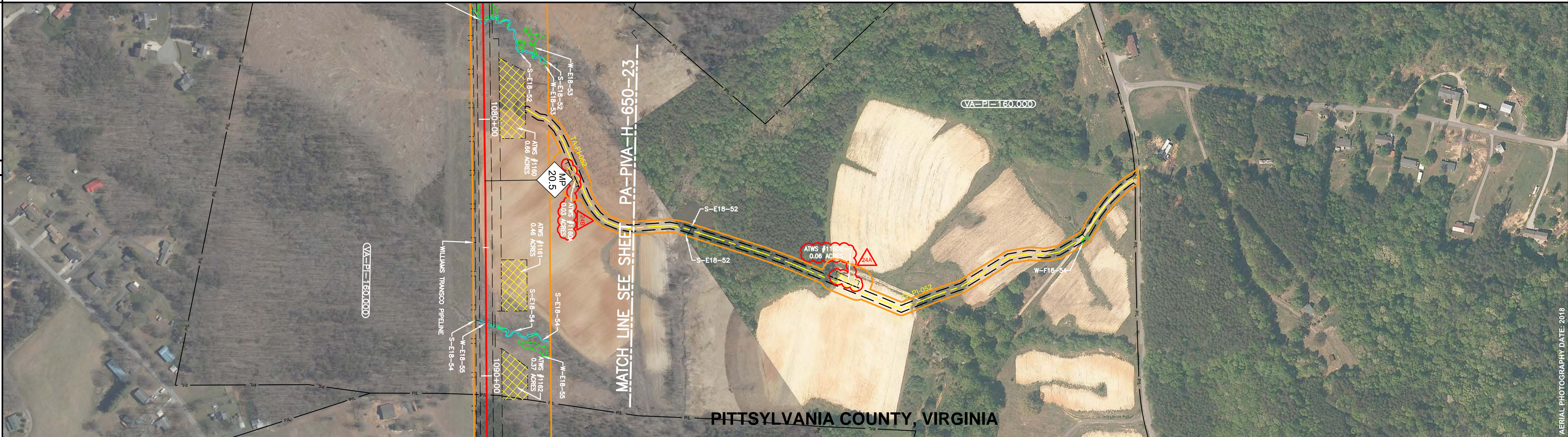
ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
	WETLAND / STREAM	



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-23	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



REVISIONS

REV.	BY	DATE	DESCRIPTION
P1	TRC	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV.	BY	DATE

Mountain Valley PIPELINE LLC

ACCESS ROAD

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

ACCESS ROAD TA-PI-052

APPROVED FOR FERC

REV.	BY	DATE

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PI.O.NO.:

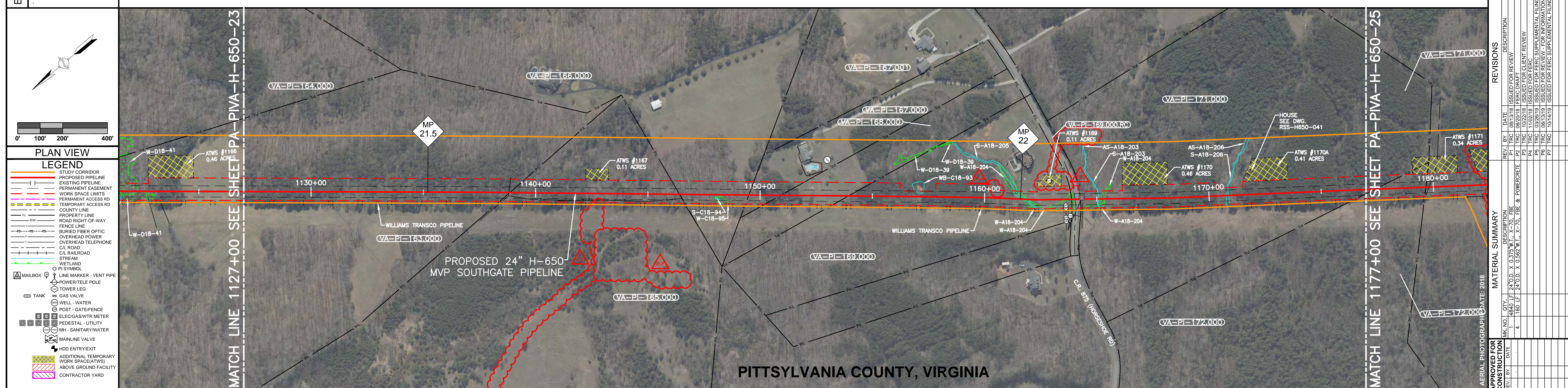
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-23A**

REV P1

DATE OF PLOT: 10/3/2019 7:38:03 AM

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-163.000	VA-PI-165.000	VA-PI-166.000	VA-PI-167.000	VA-PI-168.000	VA-PI-169.000	VA-PI-169.000.RC	VA-PI-171.000
		1185 LF	756 LF	309 LF	142 LF	302 LF	994 LF	39 LF	1273 LF
DESIGN	PIPE / COATING	1							
	SLOPE DISTANCE	1							
	CLASS LOCATION / HCA	1							
ENVIRONMENTAL	CONSTRUCTION EXCLUSION								
	WETLAND / STREAM			W-A18-204		S-A18-205		S-A18-203	
				2 LF		19 LF		9 LF	



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	RSS-H650-041	RESIDENTIAL SITE SPECIFIC

HORIZONTAL STATIONING

1127+00 MATCH LINE

1138+81 FENCE, 4" BARBED WIRE

1138+85 PROPERTY LINE

1146+41 PROPERTY LINE

1149+50 PROPERTY LINE

1150+92 PROPERTY LINE

1153+94 PROPERTY LINE

1161+69 BEGIN WETLAND (W-A18-204)

1161+71 END WETLAND (W-A18-204)

1161+71 BEGIN STREAM (S-A18-205)

1161+90 END STREAM (S-A18-205)

1161+90 BEGIN WETLAND (W-A18-204)

1161+95 END WETLAND (W-A18-204)

1163+88 BEGIN WETLAND (W-A18-204)

1163+88 PROPERTY LINE

1163+94 END WETLAND (W-A18-204)

1164+03 CL C.R. 875 (HORSESHOE RD) (S-A18-203)

1164+27 PROPERTY LINE

1164+31 OVERHEAD POWER LINE

1165+09 CL STREAM (S-A18-203)

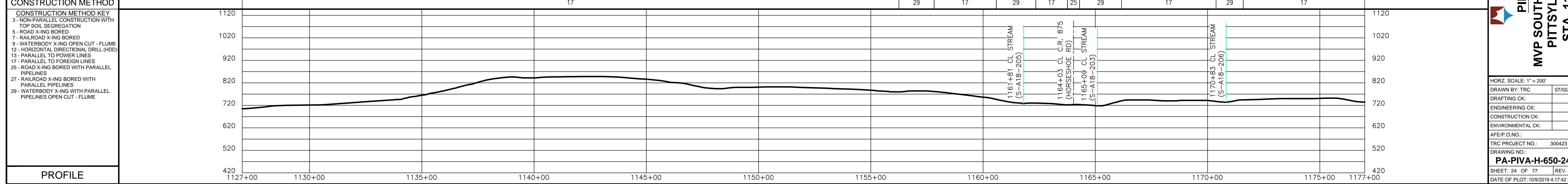
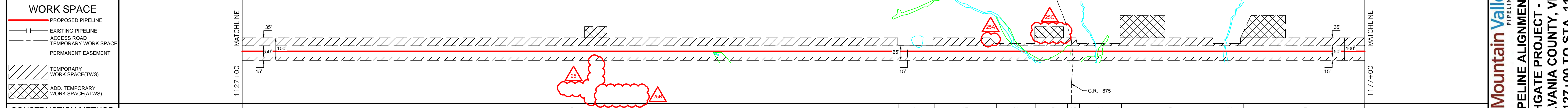
1165+18 BEGIN WETLAND (W-A18-204)

1165+36 END WETLAND (W-A18-204)

1170+75 BEGIN STREAM (S-A18-206)

1170+87 END STREAM (S-A18-206)

1177+00 MATCH LINE



ISSUED FOR FERC SUPPLEMENTAL FILING



APPROVED FOR CONSTRUCTION		REV. BY	DATE	DESCRIPTION
		P1	08/13/18	ISSUED FOR REVIEW
		P2	08/20/18	FERC DRAFTER CLIENT REVIEW
		P3	11/02/18	ISSUED FOR FERC
		P4	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
		P5	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
		P6	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
		P7	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 1127+00 TO STA. 1177+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

TRC PROJECT NO.: 300423

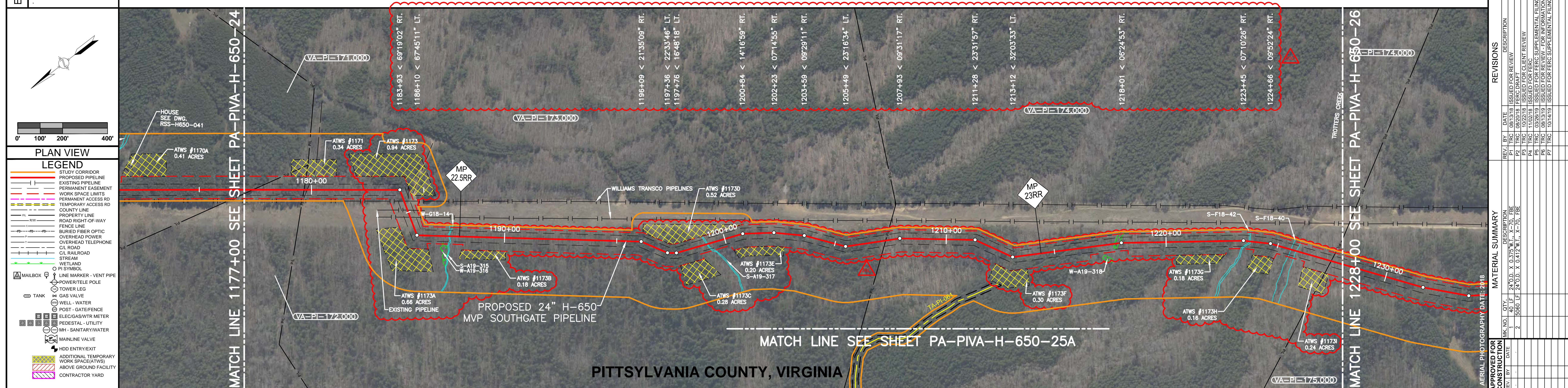
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PA-PIVA-H-650-24

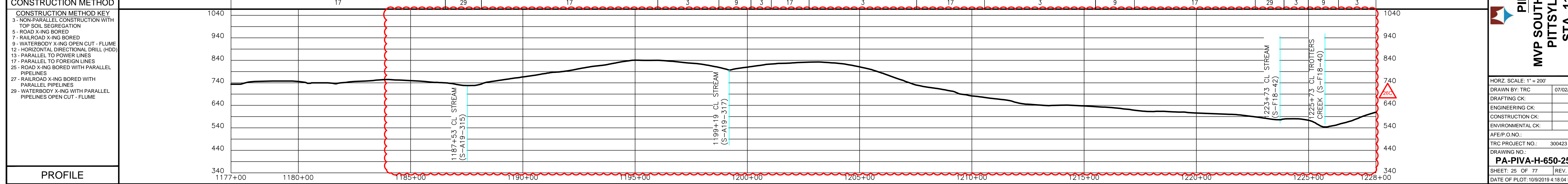
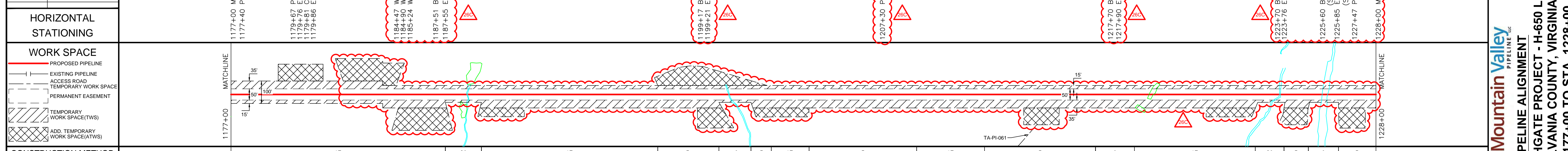
SHEET: 24 OF 77 REV. P7

DATE OF PLOT: 10/8/2019 4:17:42 PM

RIGHT-OF-WAY & OWNERSHIP DATA	VA-PI-171.000 1177+00 40 LF 1177+40	VA-PI-172.000 1177+40 227 LF 1179+67	VA-PI-173.000 2763 LF 286	VA-PI-174.000 1207+30 2017 LF 286	VA-PI-175.000 1227+47 53 LF 286	1228+00
DESIGN	PIPE / COATING 1			2		
ENVIRONMENTAL	CONSTRUCTION EXCLUSION					
	WETLAND / STREAM	S-A19-315 4 LF	S-A19-317 4 LF	W-A19-318 20 LF	S-F18-42 6 LF S-F18-40 25 LF	



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIVA-H-650-25A	ACCESS ROAD ALIGNMENT SHEET



REVISIONS	
REV. NO.	DESCRIPTION
1	ISSUED FOR REVIEW
2	ISSUED FOR REVIEW
3	ISSUED FOR REVIEW
4	ISSUED FOR REVIEW
5	ISSUED FOR REVIEW
6	ISSUED FOR REVIEW
7	ISSUED FOR REVIEW

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 1177+00 TO STA. 1228+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:

TRC PROJECT NO.: 300423
 DRAWING NO.: **PA-PIVA-H-650-25**
 SHEET: 25 OF 77 REV. P7
 DATE OF PLOT: 10/8/2019 4:18:04 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



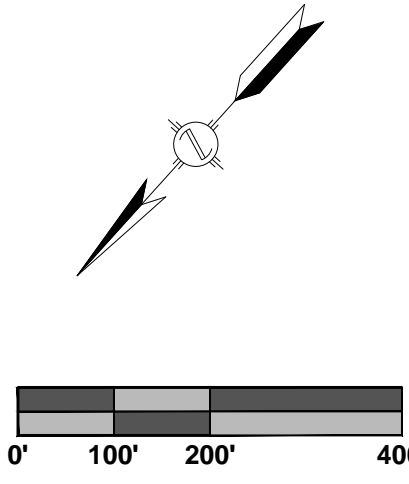
REVISIONS	
REV. BY	DATE
P1	10/28/18

MATERIAL SUMMARY	
DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION	
REV. BY	DATE

APPROVED FOR BIDDING	
REV. BY	DATE

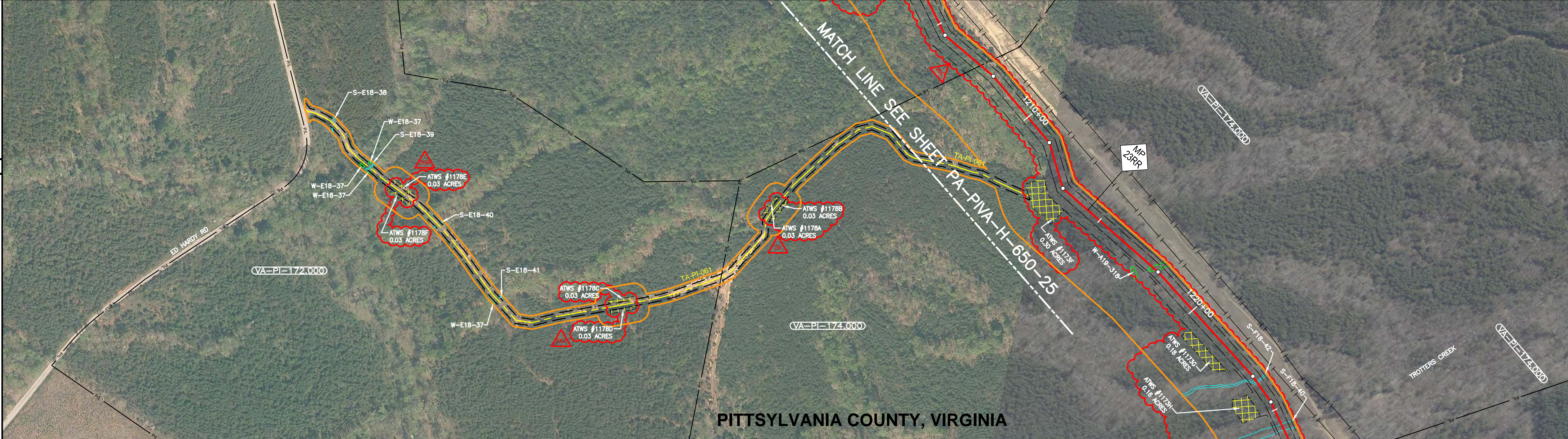
APPROVED FOR FERC	
REV. BY	DATE



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-25	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE (TWS)
- ADD. TEMPORARY WORK SPACE (ATWS)

CONSTRUCTION METHOD

- CONSTRUCTION METHOD KEY
- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
 - 5 - ROAD X-ING BORED
 - 7 - RAILROAD X-ING BORED
 - 9 - WATERBODY X-ING OPEN CUT - FLUME
 - 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
 - 13 - PARALLEL TO POWER LINES
 - 17 - PARALLEL TO FOREIGN LINES
 - 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
 - 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
 - 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE

ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION	
REV. BY	DATE

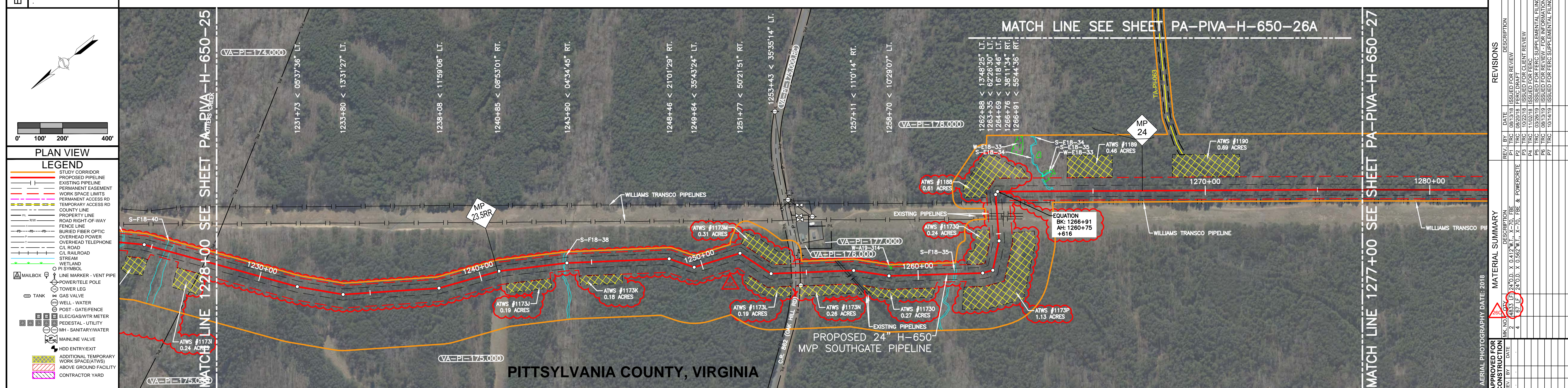
Mountain Valley PIPELINE, LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-061

HORZ. SCALE: 1" = 200'

DRAWN BY:	TRC	07/02/18
DRAFTING CK:		
ENGINEERING CK:		
CONSTRUCTION CK:		
ENVIRONMENTAL CK:		

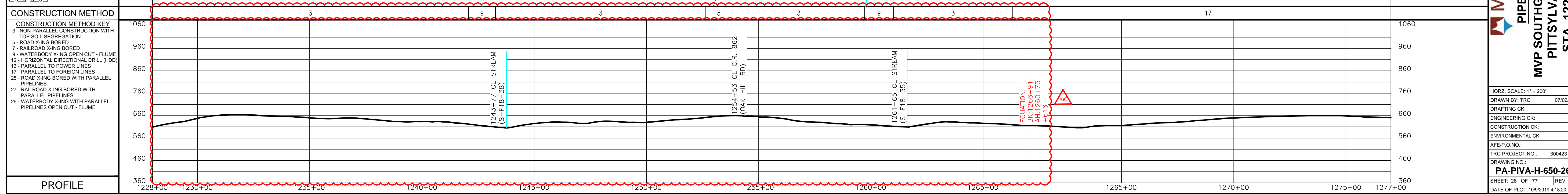
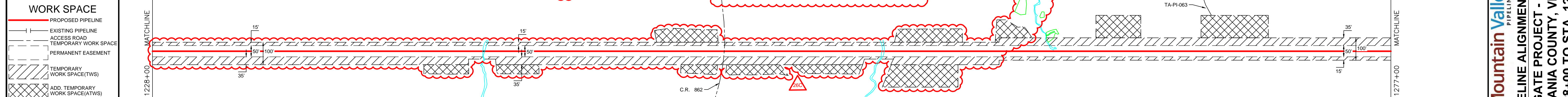
AFE/P.O.NO.: 300423
TRC PROJECT NO.: 300423
DRAWING NO.: **PA-PIVA-H-650-25A**
REV. P1
DATE OF PLOT: 10/30/2019 7:38:34 AM

RIGHT-OF-WAY & OWNERSHIP DATA	1228+00	VA-PI-175.000	2633 LF	VA-PI-175.000.RC C.R. 862 (OAK HILL RD) 40 LF	VA-PI-178.000	2843 LF	1277+00
DESIGN	PIPE / COATING		2	4		2	
	SLOPE DISTANCE						
	CLASS LOCATION / HCA			1			
ENVIRONMENTAL	CONSTRUCTION EXCLUSION						
	WETLAND / STREAM		S-F18-38 8 LF		S-F18-35 10 LF		



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIVA-H-650-26A	ACCESS ROAD ALIGNMENT SHEET

ISSUED FOR FERC SUPPLEMENTAL FILING



Results you can rely on

REVISIONS	
REV. NO.	DESCRIPTION
1	ISSUED FOR REVIEW
2	ISSUED FOR REVIEW
3	ISSUED FOR REVIEW
4	ISSUED FOR REVIEW
5	ISSUED FOR REVIEW
6	ISSUED FOR REVIEW
7	ISSUED FOR REVIEW

MATERIAL SUMMARY	
REV. NO.	DESCRIPTION
1	24" O.D. X 0.412" W.T. X-70. FBE
2	4833 LF
3	24" O.D. X 0.562" W.T. X-70. FBE & POWERCONCRETE
4	87 LF

APPROVED FOR CONSTRUCTION

APPROVED FOR BIDDING

APPROVED FOR FERC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 1228+00 TO STA. 1277+00

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFEP.O.NO.:

TRC PROJECT NO.: 300423

DRAWING NO.:

PA-PIVA-H-650-26

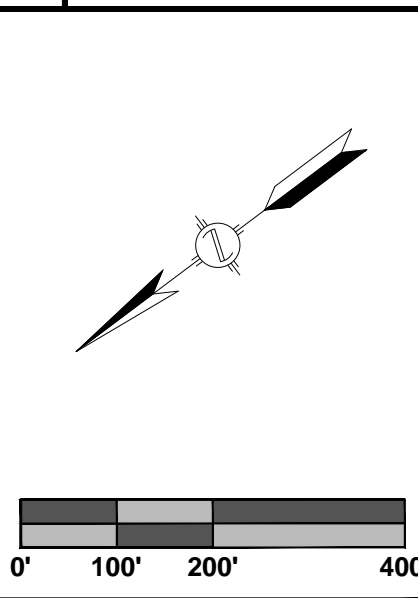
SHEET: 26 OF 77 REV. P7

DATE OF PLOT: 10/9/2019 4:18:20 PM

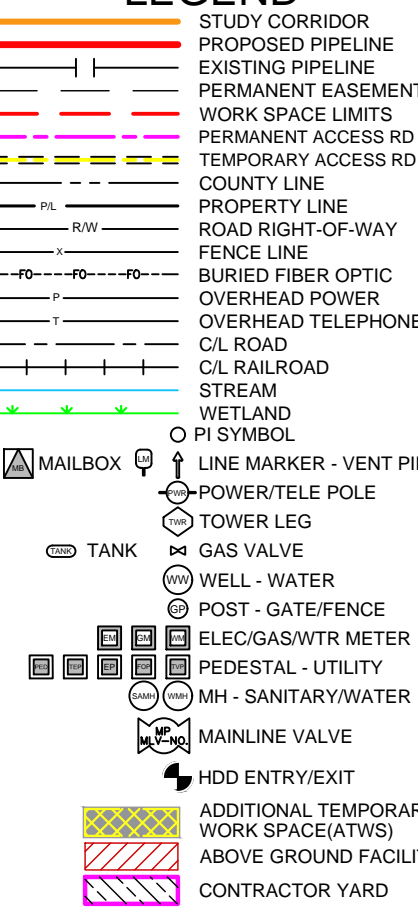
RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

ENVIRONMENTAL



PLAN VIEW

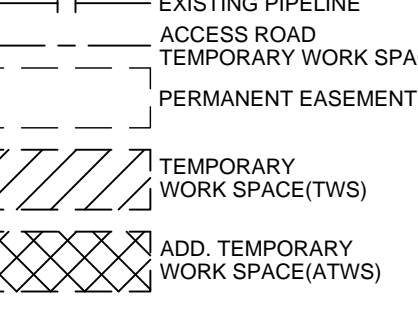


REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-26	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

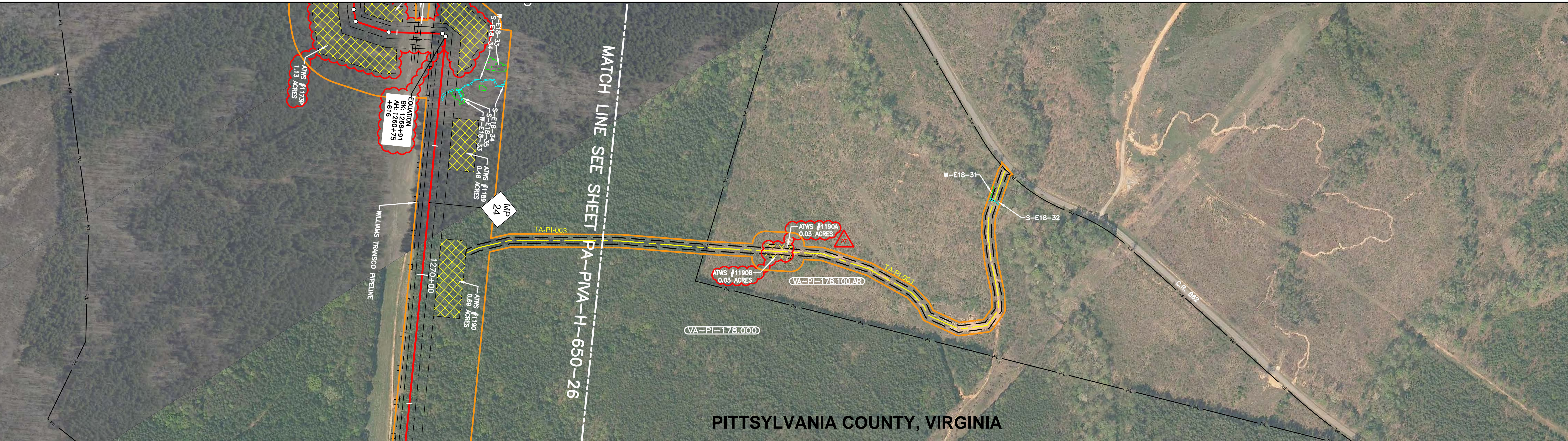


CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
- 7 - RAILROAD X-ING BORED
- 9 - WATERBODY X-ING OPEN CUT - FLUME
- 12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
- 13 - PARALLEL TO POWER LINES
- 17 - PARALLEL TO FOREIGN LINES
- 25 - ROAD X-ING BORED WITH PARALLEL PIPELINES
- 27 - RAILROAD X-ING BORED WITH PARALLEL PIPELINES
- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. BY	DATE

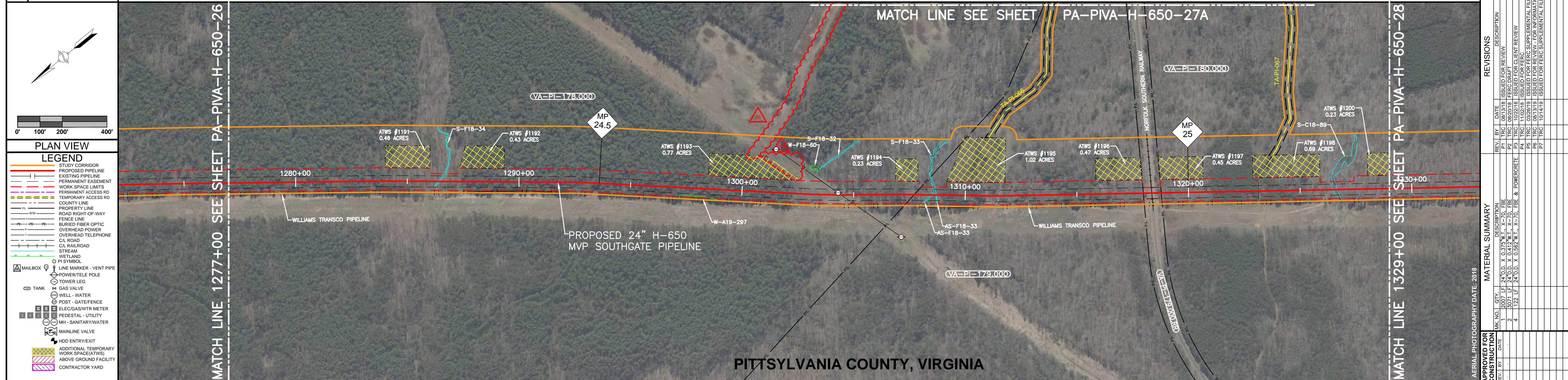
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-063

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PO NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PIVA-H-650-26A
REV. P1	

DATE OF PLOT: 10/3/2019 7:38:55 AM

RIGHT-OF-WAY & OWNERSHIP DATA	1277+00	3071 LF	1307+71	1027 LF	1317+98	1022 LF	1329+00
DESIGN	PIPE / COATING	2	1	4	1		
ENVIRONMENTAL	CONSTRUCTION EXCLUSION						
	WETLAND / STREAM	S-F18-34 7 LF	S-F18-33 5 LF	S-F18-33 4 LF	S-C18-89 19 LF		



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-27A	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING

1277+00 MATCH LINE

WORK SPACE

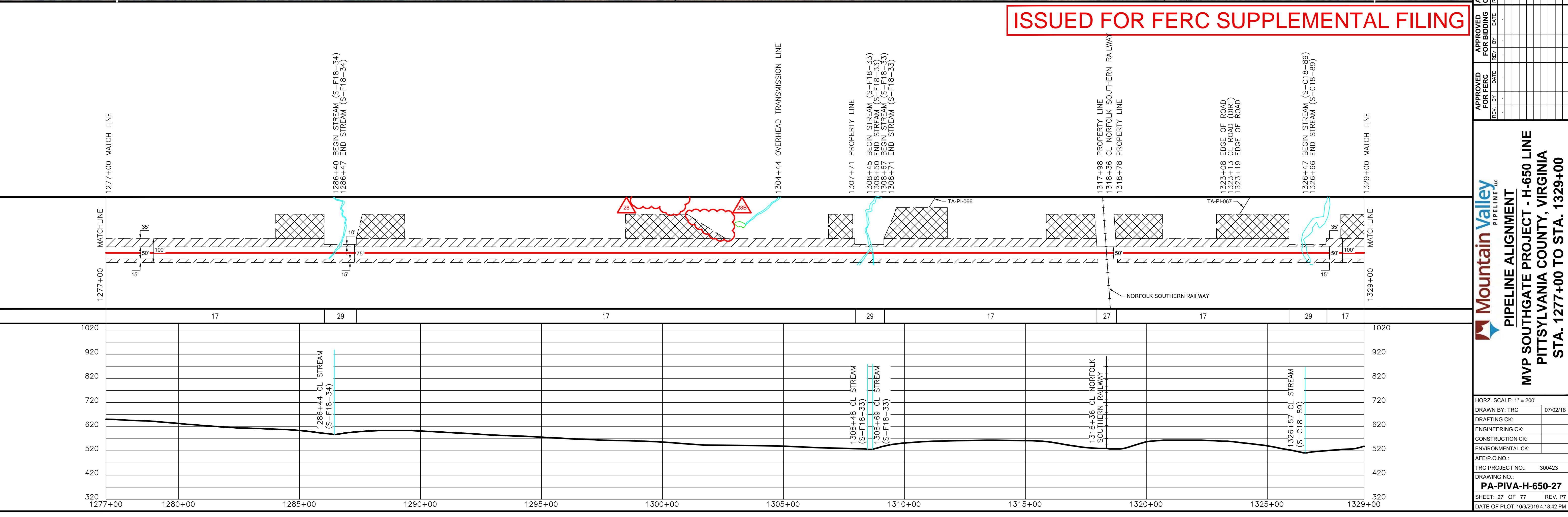
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE (TWS)
- ADD. TEMPORARY WORK SPACE (ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFTER CLIENT REVIEW
P3	TRC	11/02/18	ISSUED FOR FERC
P4	TRC	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING
P5	TRC	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P6	TRC	08/13/19	ISSUED FOR REVIEW FOR INFORMATION ONLY
P7	TRC	10/14/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

WKS. NO.	QTY.	DESCRIPTION
1	2007 LF	24" O.D. X 0.375" W.T. X-70, FBE
2	3071 LF	24" O.D. X 0.412" W.T. X-70, FBE
4	122 LF	24" O.D. X 0.582" W.T. X-70, FBE & POWERGRATE

APPROVED FOR CONSTRUCTION

REV.	BY	DATE

APPROVED FOR BIDDING

REV.	BY	DATE

APPROVED FOR FERC

REV.	BY	DATE

AERIAL PHOTOGRAPHY DATE: 2018

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 1277+00 TO STA. 1329+00

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PI.O.NO.:

TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-27**

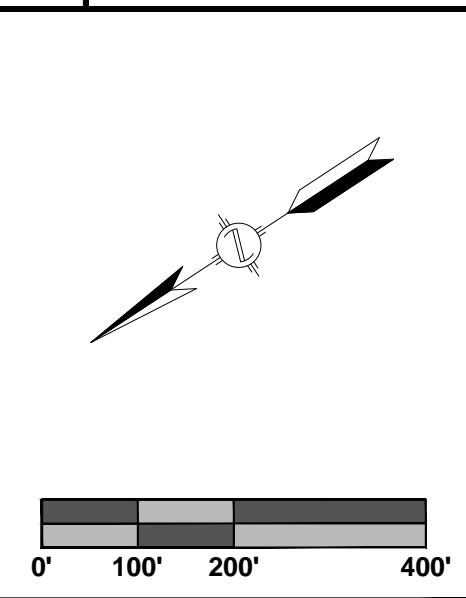
SHEET: 27 OF 77 REV. P7

DATE OF PLOT: 10/8/2019 4:18:42 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

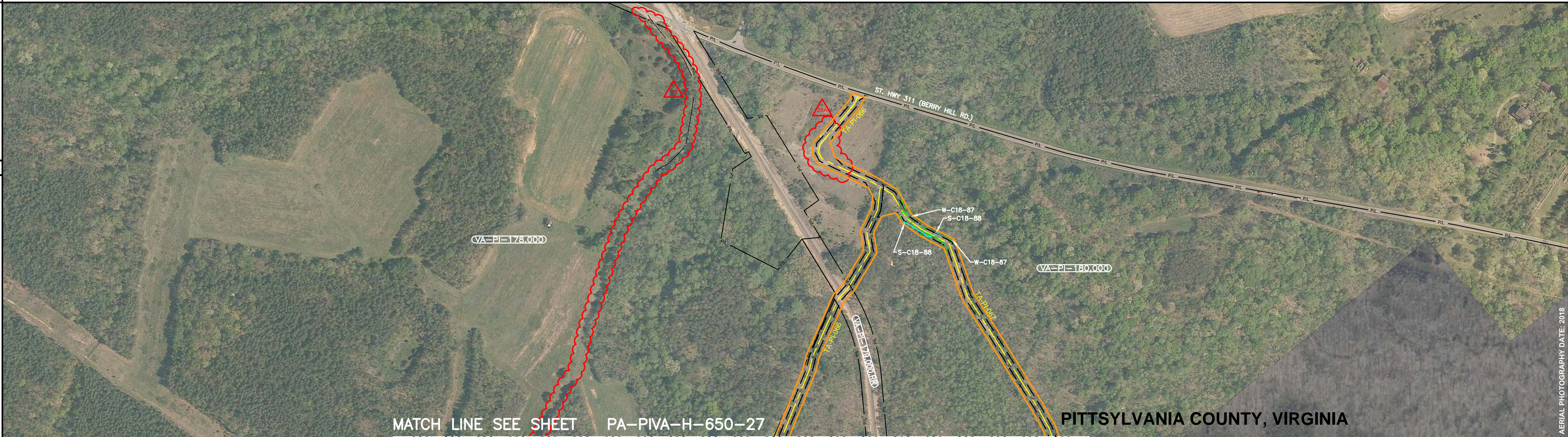
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- STREAM
- WETLAND
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



MATCH LINE SEE SHEET PA-PIVA-H-650-27

ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-27	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
- 5 - ROAD X-ING BORED
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- 29 - WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME

PROFILE



REVISIONS

REV. BY	DATE	DESCRIPTION
P1	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

Mountain Valley PIPELINE LLC

ACCESS ROAD

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

ACCESS ROADS TA-PI-064, 066, & 067

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PO NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PIVA-H-650-27A
REV. P1	

DATE OF PLOT: 10/3/2019 7:39:29 AM

