

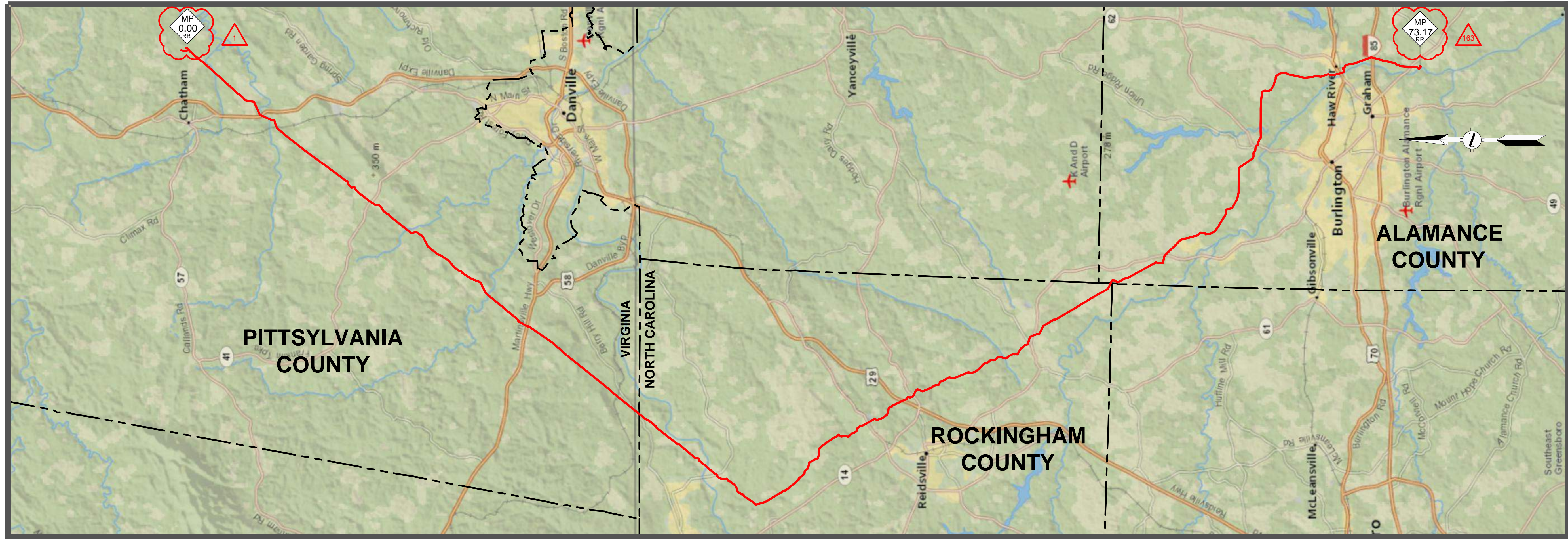


MVP Southgate Project H-650 Line

ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC PIPELINE COVER SHEET MVP SOUTHGATE PROJECT - H-650 LINE		APPROVED FOR PERMITS		APPROVED FOR BIDDING		APPROVED FOR CONSTRUCTION		REVISIONS		TRC Results you can rely on	
REV. BY	DATE	REV. BY	DATE	REV. BY	DATE	REV. BY	DATE	REV. BY	DATE	DESCRIPTION	
PA	08/13/18							PA	08/13/18	ISSUED FOR REVIEW	
TC	02/27/18							TC	02/27/18	ISSUED FOR CLIENT REVIEW	
PA	11/02/18							PA	11/02/18	ISSUED FOR FERC	
PS	02/26/19							PS	02/26/19	ISSUED FOR FERC SUPPLEMENTAL FILING	

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. P5
DATE OF PLOT: 3/18/2019 7:55:57 AM



**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-650-04A	ACCESS ROAD
PA-GEN-H-650-02	INDEX SHEET	PA-RONC-H-650-22	PIPELINE ALIGNMENT, STA. 2421+00 TO STA. 2472+00	PA-RONC-H-650-07A	ACCESS ROAD
ALIGNMENT SHEETS					
PA-PIVA-H-650-01	PIPELINE ALIGNMENT, STA. 0+00 TO STA. 40+00	PA-RONC-H-650-23	PIPELINE ALIGNMENT, STA. 2472+00 TO STA. 2523+00	PA-RONC-H-650-08A	ACCESS ROAD
PA-PIVA-H-650-02	PIPELINE ALIGNMENT, STA. 40+00 TO STA. 89+00	PA-RONC-H-650-24	PIPELINE ALIGNMENT, STA. 2523+00 TO STA. 2575+00	PA-RONC-H-650-09A	ACCESS ROAD
PA-PIVA-H-650-03	PIPELINE ALIGNMENT, STA. 89+00 TO STA. 138+00	PA-RONC-H-650-25	PIPELINE ALIGNMENT, STA. 2575+00 TO STA. 2626+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-650-26	PIPELINE ALIGNMENT, STA. 2626+00 TO STA. 2677+00	PA-RONC-H-650-13A	ACCESS ROAD
PA-PIVA-H-650-05	PIPELINE ALIGNMENT, STA. 184+00 TO STA. 235+00	PA-RONC-H-650-27	PIPELINE ALIGNMENT, STA. 2677+00 TO STA. 2728+00	PA-RONC-H-650-17A	ACCESS ROAD
PA-PIVA-H-650-06	PIPELINE ALIGNMENT, STA. 235+00 TO STA. 283+00	PA-RONC-H-650-28	PIPELINE ALIGNMENT, STA. 2728+00 TO STA. 2780+00	PA-RONC-H-650-22A	ACCESS ROAD
PA-PIVA-H-650-07	PIPELINE ALIGNMENT, STA. 283+00 TO STA. 333+00	PA-ALNC-H-650-01	PIPELINE ALIGNMENT, STA. 2780+00 TO STA. 2829+00	PA-RONC-H-650-23A	ACCESS ROAD
PA-PIVA-H-650-08	PIPELINE ALIGNMENT, STA. 333+00 TO STA. 383+00	PA-ALNC-H-650-02	PIPELINE ALIGNMENT, STA. 2829+00 TO STA. 2879+00	PA-RONC-H-650-24A	ACCESS ROAD
PA-PIVA-H-650-09	PIPELINE ALIGNMENT, STA. 383+00 TO STA. 430+00	PA-ALNC-H-650-03	PIPELINE ALIGNMENT, STA. 2879+00 TO STA. 2924+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-650-04	PIPELINE ALIGNMENT, STA. 2924+00 TO STA. 2971+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-650-05	PIPELINE ALIGNMENT, STA. 2971+00 TO STA. 3021+00	PA-ALNC-H-650-12A	ACCESS ROAD
PA-PIVA-H-650-12	PIPELINE ALIGNMENT, STA. 532+00 TO STA. 582+00	PA-ALNC-H-650-06	PIPELINE ALIGNMENT, STA. 3021+00 TO STA. 3073+00	PA-ALNC-H-650-15A	ACCESS ROAD
PA-PIVA-H-650-13	PIPELINE ALIGNMENT, STA. 582+00 TO STA. 636+00	PA-ALNC-H-650-07	PIPELINE ALIGNMENT, STA. 3073+00 TO STA. 3122+00	PA-ALNC-H-650-15B	ACCESS ROAD
PA-PIVA-H-650-14	PIPELINE ALIGNMENT, STA. 636+00 TO STA. 685+00	PA-ALNC-H-650-08	PIPELINE ALIGNMENT, STA. 3122+00 TO STA. 3175+00	PA-ALNC-H-650-16A	ACCESS ROAD
PA-PIVA-H-650-15	PIPELINE ALIGNMENT, STA. 685+00 TO STA. 725+00	PA-ALNC-H-650-09	PIPELINE ALIGNMENT, STA. 3175+00 TO STA. 3230+00	PA-ALNC-H-650-16B	ACCESS ROAD
PA-PIVA-H-650-16	PIPELINE ALIGNMENT, STA. 725+00 TO STA. 773+00	PA-ALNC-H-650-10	PIPELINE ALIGNMENT, STA. 3230+00 TO STA. 3280+00	PA-ALNC-H-650-19A	ACCESS ROAD
PA-PIVA-H-650-17	PIPELINE ALIGNMENT, STA. 773+00 TO STA. 823+00	PA-ALNC-H-650-11	PIPELINE ALIGNMENT, STA. 3280+00 TO STA. 3336+00	QUAD SHEETS	
PA-PIVA-H-650-18	PIPELINE ALIGNMENT, STA. 823+00 TO STA. 873+00	PA-ALNC-H-650-12	PIPELINE ALIGNMENT, STA. 3336+00 TO STA. 3389+00	PA-PIVA-H650-USGS-01	
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-H650-USGS-02	
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-H650-USGS-03	
PA-PIVA-H-650-21	PIPELINE ALIGNMENT, STA. 976+00 TO STA. 1027+00	PA-ALNC-H-650-15	PIPELINE ALIGNMENT, STA. 3500+00 TO STA. 3557+00	PA-PIVA-H650-USGS-04	
PA-PIVA-H-650-22	PIPELINE ALIGNMENT, STA. 1027+00 TO STA. 1077+00	PA-ALNC-H-650-16	PIPELINE ALIGNMENT, STA. 3557+00 TO STA. 3611+00	PA-PIVA-H650-USGS-05	
PA-PIVA-H-650-23	PIPELINE ALIGNMENT, STA. 1077+00 TO STA. 1127+00	PA-ALNC-H-650-17	PIPELINE ALIGNMENT, STA. 3611+00 TO STA. 3669+00	PA-PIVA-H650-USGS-06	
PA-PIVA-H-650-24	PIPELINE ALIGNMENT, STA. 1127+00 TO STA. 1177+00	PA-ALNC-H-650-18	PIPELINE ALIGNMENT, STA. 3669+00 TO STA. 3715+00	PA-PIVA-H650-USGS-07	
PA-PIVA-H-650-25	PIPELINE ALIGNMENT, STA. 1177+00 TO STA. 1228+00	PA-ALNC-H-650-19	PIPELINE ALIGNMENT, STA. 3715+00 TO STA. 3761+00	PA-RONC-H650-USGS-08	
PA-PIVA-H-650-26	PIPELINE ALIGNMENT, STA. 1228+00 TO STA. 1277+00	PA-ALNC-H-650-20	PIPELINE ALIGNMENT, STA. 3761+00 TO STA. 3815+00	PA-RONC-H650-USGS-09	
PA-PIVA-H-650-27	PIPELINE ALIGNMENT, STA. 1277+00 TO STA. 1329+00	PA-ALNC-H-650-21	PIPELINE ALIGNMENT, STA. 3815+00 TO STA. 3865+58	PA-RONC-H650-USGS-10	
PA-PIVA-H-650-28	PIPELINE ALIGNMENT, STA. 1329+00 TO STA. 1369+00	ACCESS ROAD ALIGNMENT SHEETS			
PA-RONC-H-650-01	PIPELINE ALIGNMENT, STA. 1369+00 TO STA. 1417+00	PA-PIVA-H-650-01A	ACCESS ROAD	PA-RONC-H650-USGS-11	
PA-RONC-H-650-02	PIPELINE ALIGNMENT, STA. 1417+00 TO STA. 1467+00	PA-PIVA-H-650-02A	ACCESS ROAD	PA-ALNC-H650-USGS-12	
PA-RONC-H-650-03	PIPELINE ALIGNMENT, STA. 1467+00 TO STA. 1518+00	PA-PIVA-H-650-03A	ACCESS ROAD	PA-ALNC-H650-USGS-13	
PA-RONC-H-650-04	PIPELINE ALIGNMENT, STA. 1518+00 TO STA. 1569+00	PA-PIVA-H-650-04A	ACCESS ROAD	PA-ALNC-H650-USGS-14	
PA-RONC-H-650-05	PIPELINE ALIGNMENT, STA. 1569+00 TO STA. 1621+00	PA-PIVA-H-650-05A	ACCESS ROAD	PA-ALNC-H650-USGS-15	
PA-RONC-H-650-06	PIPELINE ALIGNMENT, STA. 1621+00 TO STA. 1674+00	PA-PIVA-H-650-06A	ACCESS ROAD	PA-GUNC-H650-USGS-16	
PA-RONC-H-650-07	PIPELINE ALIGNMENT, STA. 1674+00 TO STA. 1729+00	PA-PIVA-H-650-07A	ACCESS ROAD		
PA-RONC-H-650-08	PIPELINE ALIGNMENT, STA. 1729+00 TO STA. 1779+00	PA-PIVA-H-650-08A	ACCESS ROAD		
PA-RONC-H-650-09	PIPELINE ALIGNMENT, STA. 1779+00 TO STA. 1833+00	PA-PIVA-H-650-09A	ACCESS ROAD		
PA-RONC-H-650-10	PIPELINE ALIGNMENT, STA. 1833+00 TO STA. 1885+00	PA-PIVA-H-650-10A	ACCESS ROAD		
PA-RONC-H-650-11	PIPELINE ALIGNMENT, STA. 1885+00 TO STA. 1936+00	PA-PIVA-H-650-11A	ACCESS ROAD		
PA-RONC-H-650-12	PIPELINE ALIGNMENT, STA. 1936+00 TO STA. 1983+00	PA-PIVA-H-650-12A	ACCESS ROAD		
PA-RONC-H-650-13	PIPELINE ALIGNMENT, STA. 1983+00 TO STA. 2038+00	PA-PIVA-H-650-13A	ACCESS ROAD		
PA-RONC-H-650-14	PIPELINE ALIGNMENT, STA. 2038+00 TO STA. 2087+00	PA-PIVA-H-650-14A	ACCESS ROAD		
PA-RONC-H-650-15	PIPELINE ALIGNMENT, STA. 2087+00 TO STA. 2134+00	PA-PIVA-H-650-15A	ACCESS ROAD		
PA-RONC-H-650-16	PIPELINE ALIGNMENT, STA. 2134+00 TO STA. 2182+00	PA-PIVA-H-650-16A	ACCESS ROAD		
PA-RONC-H-650-17	PIPELINE ALIGNMENT, STA. 2182+00 TO STA. 2234+00	PA-PIVA-H-650-17A	ACCESS ROAD		
PA-RONC-H-650-18	PIPELINE ALIGNMENT, STA. 2234+00 TO STA. 2282+00	PA-PIVA-H-650-18A	ACCESS ROAD		
PA-RONC-H-650-19	PIPELINE ALIGNMENT, STA. 2282+00 TO STA. 2319+00	PA-RONC-H-650-02A	ACCESS ROAD		
PA-RONC-H-650-20	PIPELINE ALIGNMENT, STA. 2319+00 TO STA. 2368+00	PA-RONC-H-650-03A	ACCESS ROAD		

ISSUED FOR FERC SUPPLEMENTAL FILING



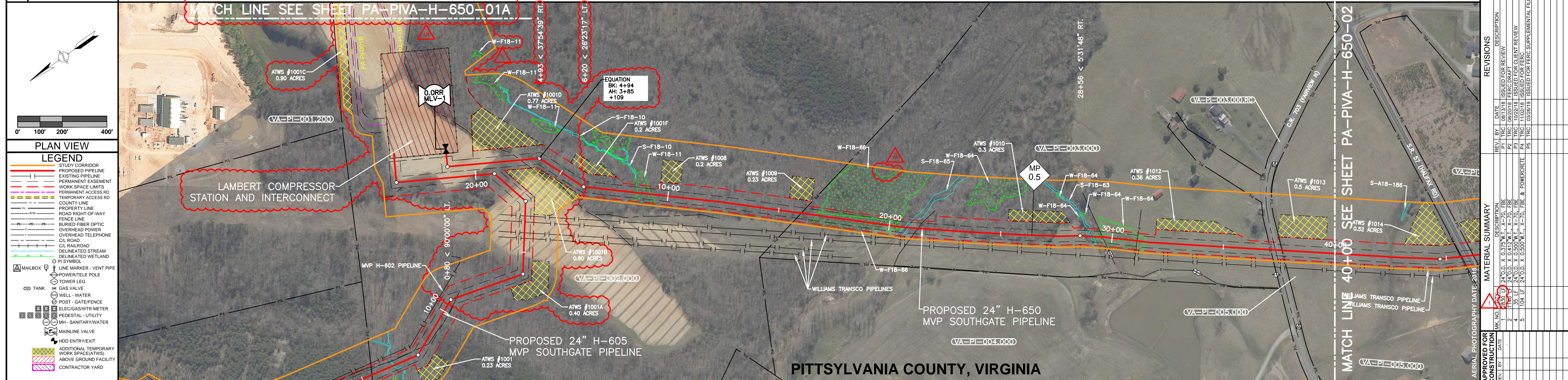
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P2 TRC	03/24/18	FERC DRAFT
P3 TRC	03/24/18	ISSUED FOR REVIEW
P4 TRC	03/24/18	ISSUED FOR FILING
P5 TRC	03/24/18	ISSUED FOR FERC SUPPLEMENTAL FILING

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

Mountain Valley PIPELINE LLC
PIPELINE INDEX SHEET
MVP SOUTHGATE PROJECT - H-650 LINE

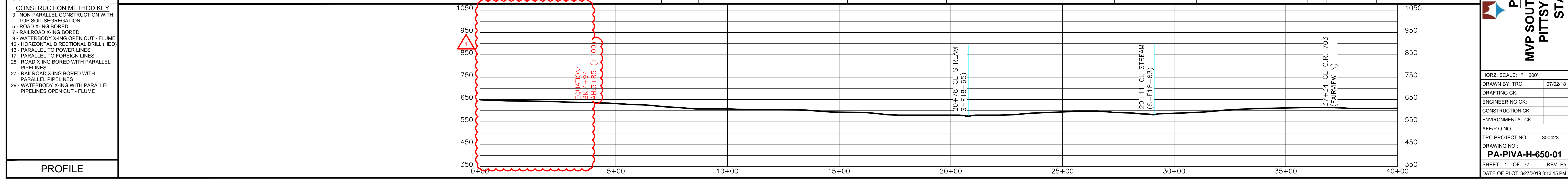
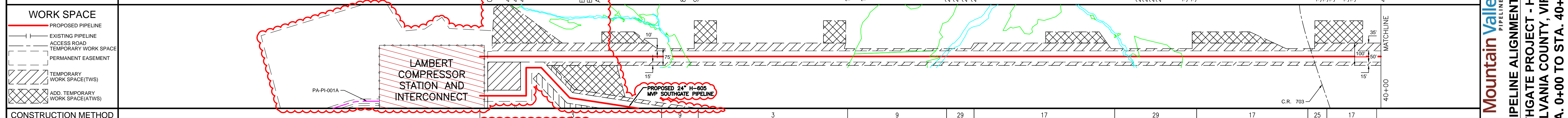
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CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
A/E/P/O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-GEN-H-650-02	
SHEET:	2 OF 2
REV.:	P5
DATE OF PLOT:	3/21/2019 1:32:17 PM

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-002.000	VA-PI-003.000	VA-PI-003.000.RC C.R. 703 (FAIRVIEW N.) 52 LF	VA-PI-005.000
DESIGN		1	2	5	1
ENVIRONMENTAL		W-F18-11 57 LF	W-F18-66 377 LF	S-F18-65 22 LF	S-F18-63 14 LF
				W-F18-64 234 LF	



ISSUED FOR FERC SUPPLEMENTAL FILING

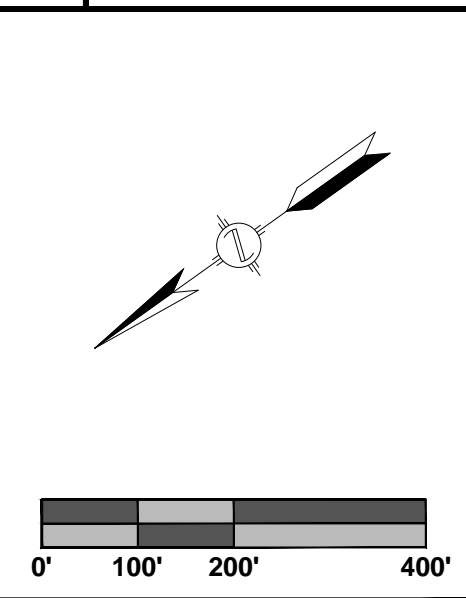
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DRAWING NO. DESCRIPTION	REV. BY DATE	REV. BY DATE	REV. BY DATE
PA-PIV-100-01 LAMBERT COMPRESSOR STATION	P1 TRC 08/13/18 ISSUED FOR REVIEW	P1 TRC 08/13/18 ISSUED FOR REVIEW	P1 TRC 08/13/18 ISSUED FOR REVIEW
PA-PIV-H650-01A ACCESS ROAD ALIGNMENT SHEET	P2 TRC 08/20/18 FERC DRAWING CLIENT REVIEW	P2 TRC 08/20/18 FERC DRAWING CLIENT REVIEW	P2 TRC 08/20/18 FERC DRAWING CLIENT REVIEW
PA-PIV-H650-01 ALIGNMENT SHEET	P3 TRC 11/02/18 ISSUED FOR FERC	P3 TRC 11/02/18 ISSUED FOR FERC	P3 TRC 11/02/18 ISSUED FOR FERC
	P4 TRC 11/02/18 ISSUED FOR FERC	P4 TRC 11/02/18 ISSUED FOR FERC	P4 TRC 11/02/18 ISSUED FOR FERC
	P5 TRC 03/20/19 ISSUED FOR FERC SUPPLEMENTAL FILING	P5 TRC 03/20/19 ISSUED FOR FERC SUPPLEMENTAL FILING	P5 TRC 03/20/19 ISSUED FOR FERC SUPPLEMENTAL FILING



RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
 PIPE / COATING
 SLOPE DISTANCE
 CLASS LOCATION / HCA

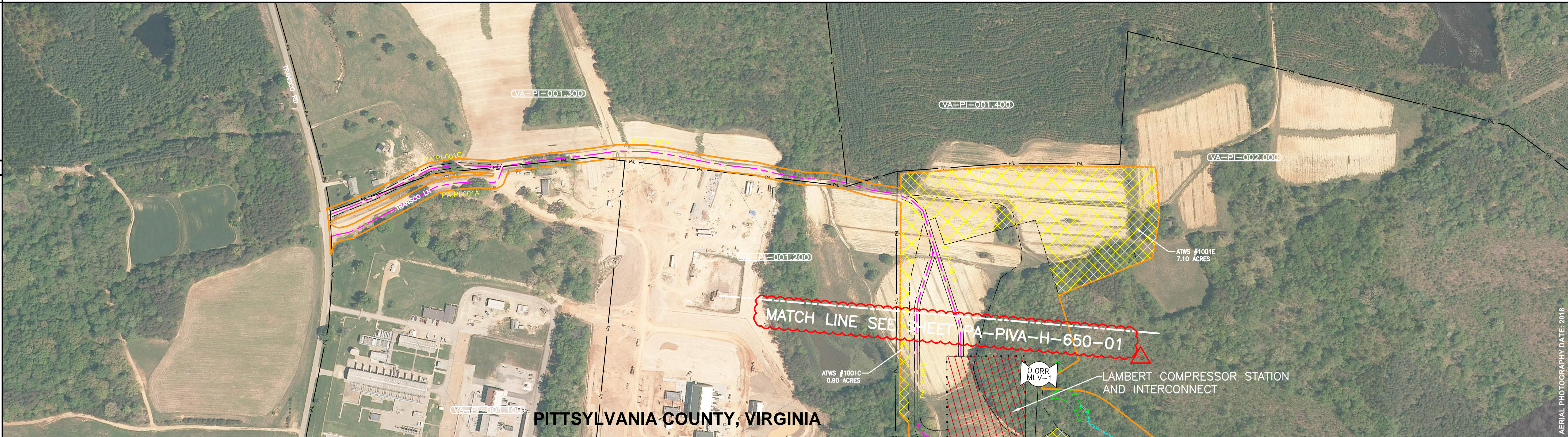
ENVIRONMENTAL
 CONSTRUCTION EXCLUSION
 WETLAND / STREAM



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
- DELINEATED STREAM
- DELINEATED 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

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
PI	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 PA-PI-001A, 001B, & 001C

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P/O NO.:

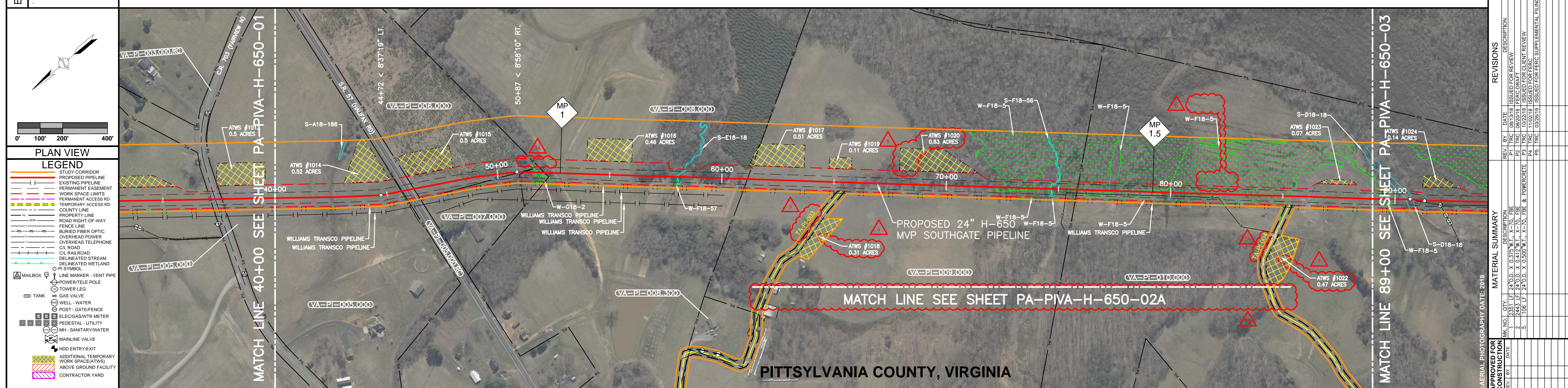
TRC PROJECT NO.: 300423

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

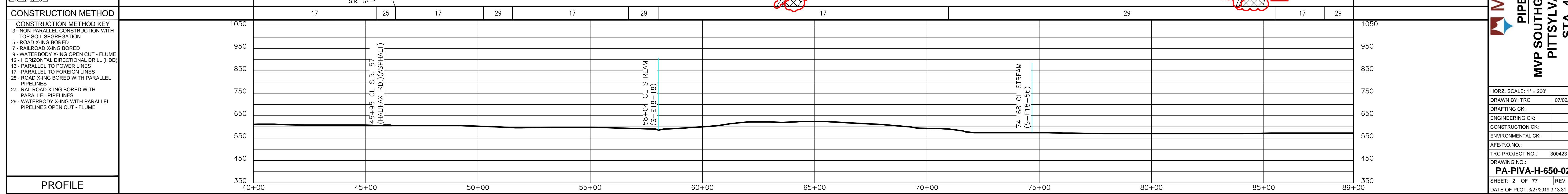
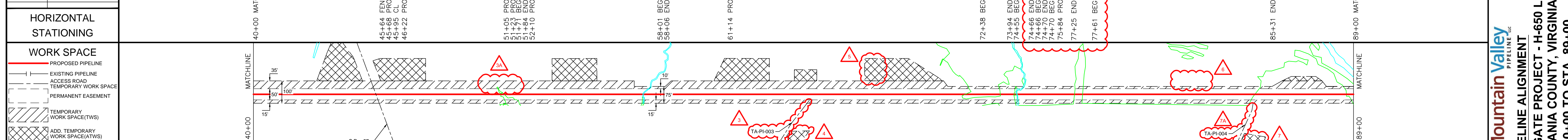
REV. P1

DATE OF PLOT: 3/27/2019 3:25:10 PM

RIGHT-OF-WAY & OWNERSHIP DATA	40+00	40+00	40+91	45+68	45+68	46+22	46+43	51+05	51+23	52+10	55+03	55+05	61+14	67+32	75+84	89+00
VA-PI-005.000	568 LF															
VA-PI-005.000.RC S.R. 57 (HALIFAX RD)	54 LF															
VA-PI-006.000	483 LF															
VA-PI-007.000	18 LF															
VA-PI-008.000	87 LF															
VA-PI-009.000	904 LF															
VA-PI-010.000	1470 LF															
VA-PI-010.000	1316 LF															



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIVA-H650-02A	ACCESS ROAD ALIGNMENT SHEET



CONSTRUCTION METHOD	1050	950	850	750	650	550	450	350
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 DRAFTER CLIENT REVIEW
	3	11/02/18	ISSUED FOR FERC
	4	03/06/19	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. 40+00 TO STA. 89+00

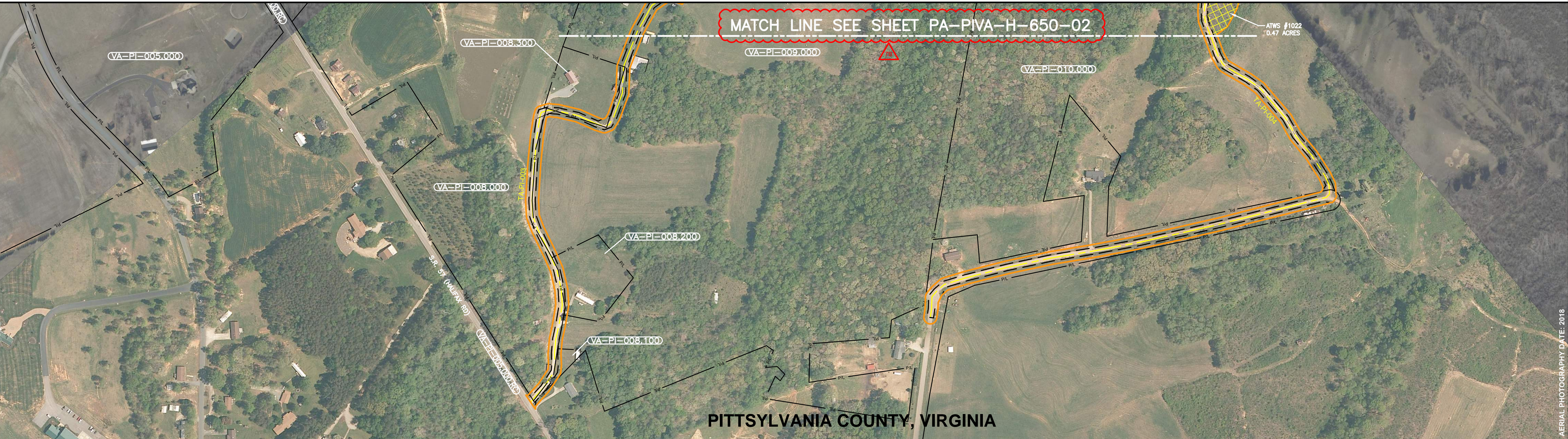
HORZ. SCALE: 1" = 200'
 DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/PO NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-02
 SHEET: 2 OF 77 REV. P5
 DATE OF PLOT: 3/27/2019 3:13:31 PM

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
- DELINEATED STREAM
- DELINEATED 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-H650-02	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

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 ROADS TA-PI-003 & 004

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PI.O.NO.:

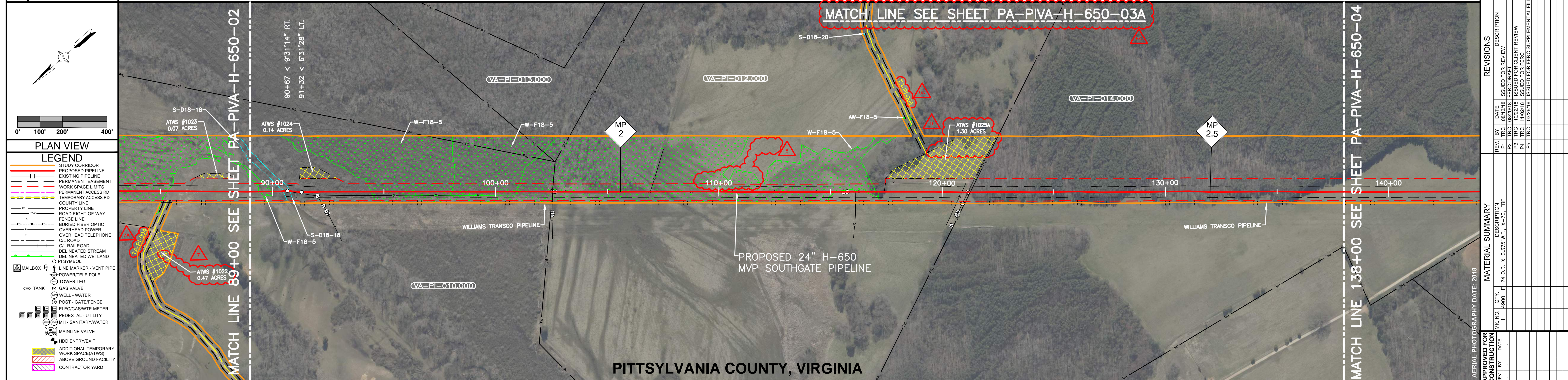
TRC PROJECT NO.: 300423

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

REV. P1

DATE OF PLOT: 3/27/2019 3:25:37 PM

RIGHT-OF-WAY & OWNERSHIP DATA		89+00	1355 LF	102+55	1870 LF	121+25	1675 LF	138+00
DESIGN	PIPE / COATING	1						
	SLOPE DISTANCE	1						
	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			

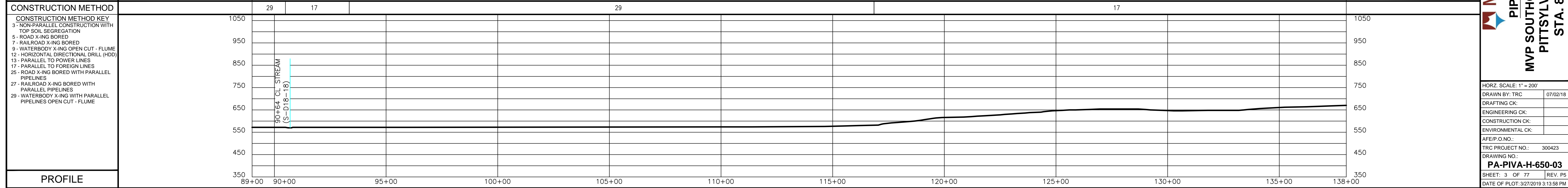
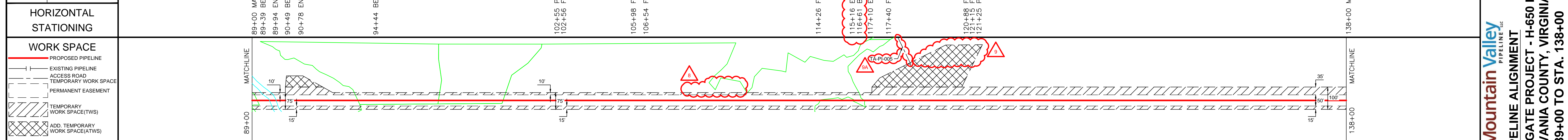


PLAN VIEW

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 TELEPHONE
- CL ROAD
- RAILROAD
- DELINEATED STREAM
- DELINEATED 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-PVA-H650-02A	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
P4	11/02/18	ISSUED FOR FERC
P5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

REV. NO.	DATE	DESCRIPTION
1	4900 LF	24" O.D. X 0.375 W.T. X-70, FBE

APPROVED FOR CONSTRUCTION

REV. BY	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

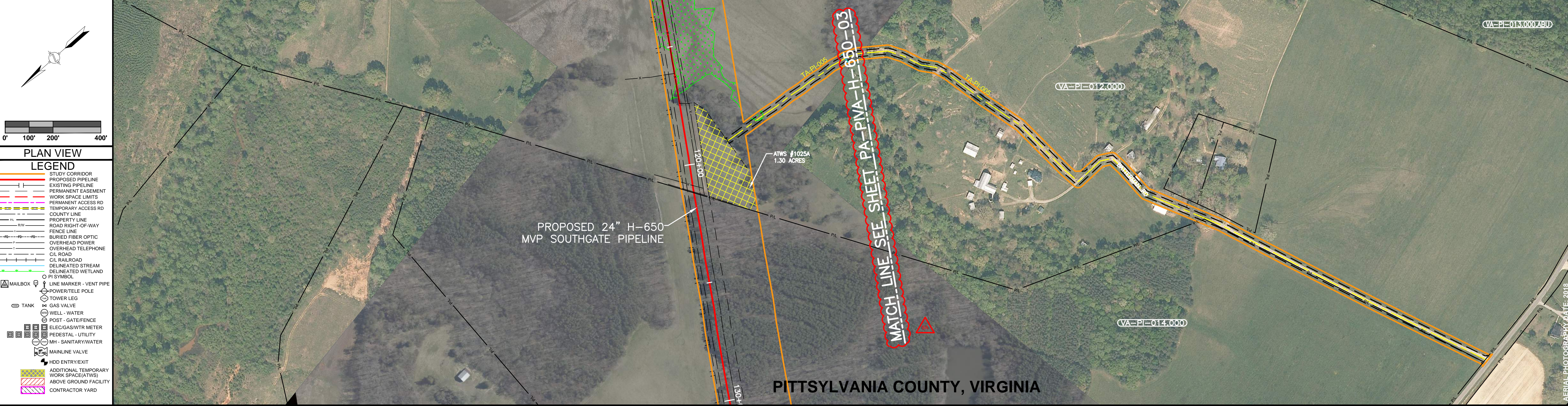
SHEET: 3 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:13:58 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

ENVIRONMENTAL



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



REVISIONS

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

MATERIAL SUMMARY

QTY.	DESCRIPTION

APPROVED FOR BIDDING

REV. BY	DATE

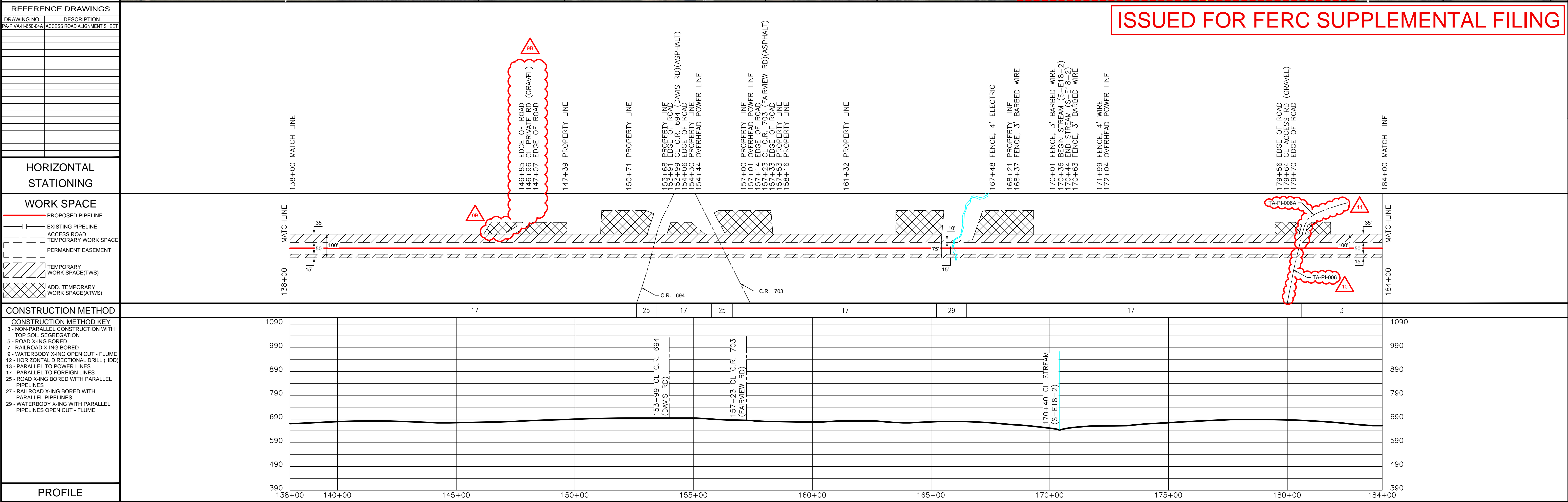
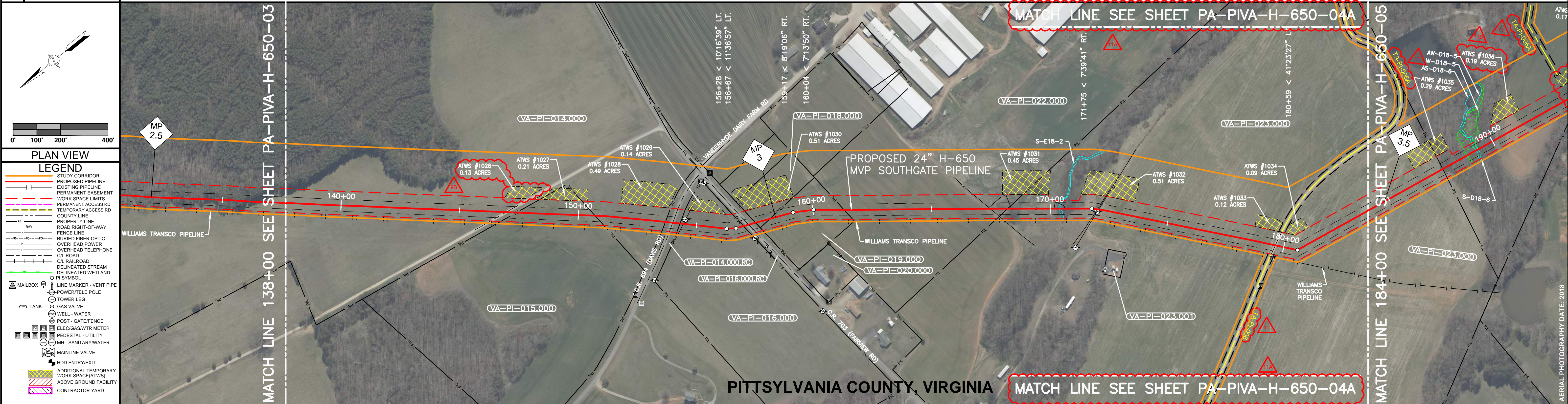
Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-005

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-650-03A	
REV. P1		

DATE OF PLOT: 3/27/2019 3:28:03 PM


RIGHT-OF-WAY & OWNERSHIP DATA	138+00	VA-PI-014.000	147+39	VA-PI-015.000	150+71	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					
PIPE / COATING	138+00	939 LF	147+39	332 LF	150+71	297 LF	153+68 C.R. 694 (DAVIS RD) 62 LF	154+30	270 LF	156+64 C.R. 703 (FAIRVIEW RD) 53 LF	157+00	63 LF	158+16	316 LF	161+32	689 LF	168+21	1579 LF	184+00
DESIGN	SLOPE DISTANCE																		
CLASS LOCATION / HCA																			
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																		
WETLAND / STREAM																			



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-04A	ACCESS ROAD ALIGNMENT SHEET	

HORIZONTAL STATIONING	138+00	140+00	145+00	150+00	155+00	160+00	165+00	170+00	175+00	180+00	184+00
WORK SPACE	<p>PROPOSED PIPELINE</p> <p>EXISTING PIPELINE</p> <p>ACCESS ROAD</p> <p>TEMPORARY WORK SPACE</p> <p>PERMANENT EASEMENT</p> <p>TEMPORARY WORK SPACE (TWS)</p> <p>ADD. TEMPORARY WORK SPACE (ATWS)</p>										
CONSTRUCTION METHOD	<p>CONSTRUCTION METHOD KEY</p> <p>3- NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION</p> <p>5- ROAD X-ING BORED</p> <p>7- RAILROAD X-ING BORED</p> <p>9- WATERBODY X-ING OPEN CUT - FLUME</p> <p>12- HORIZONTAL DIRECTIONAL DRILL (HDD)</p> <p>13- PARALLEL TO POWER LINES</p> <p>17- PARALLEL TO FOREIGN LINES</p> <p>25- ROAD X-ING BORED WITH PARALLEL PIPELINES</p> <p>27- RAILROAD X-ING BORED WITH PARALLEL PIPELINES</p> <p>29- WATERBODY X-ING WITH PARALLEL PIPELINES OPEN CUT - FLUME</p>										

ISSUED FOR FERC SUPPLEMENTAL FILING



Results you can rely on

REVISIONS	
REV. NO.	DESCRIPTION
1	ISSUED FOR REVIEW
2	ISSUED FOR CLIENT REVIEW
3	ISSUED FOR FERC
4	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY	
QTY.	DESCRIPTION
2,033 LF	24" O.D. X 0.375" W.T. X 70' FIBER
2	24" O.D. X 0.375" W.T. X 70' FIBER
2	24" O.D. X 0.375" W.T. X 70' FIBER
2	24" O.D. X 0.375" W.T. X 70' FIBER

Mountain Valley
PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

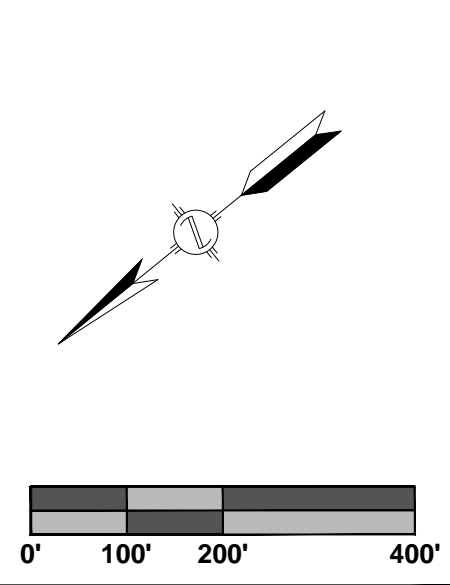
STA. 138+00 TO STA. 184+00

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-650-04		
SHEET: 4 OF 77	REV. P5	
DATE OF PLOT: 3/27/2019 3:14:25 PM		

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

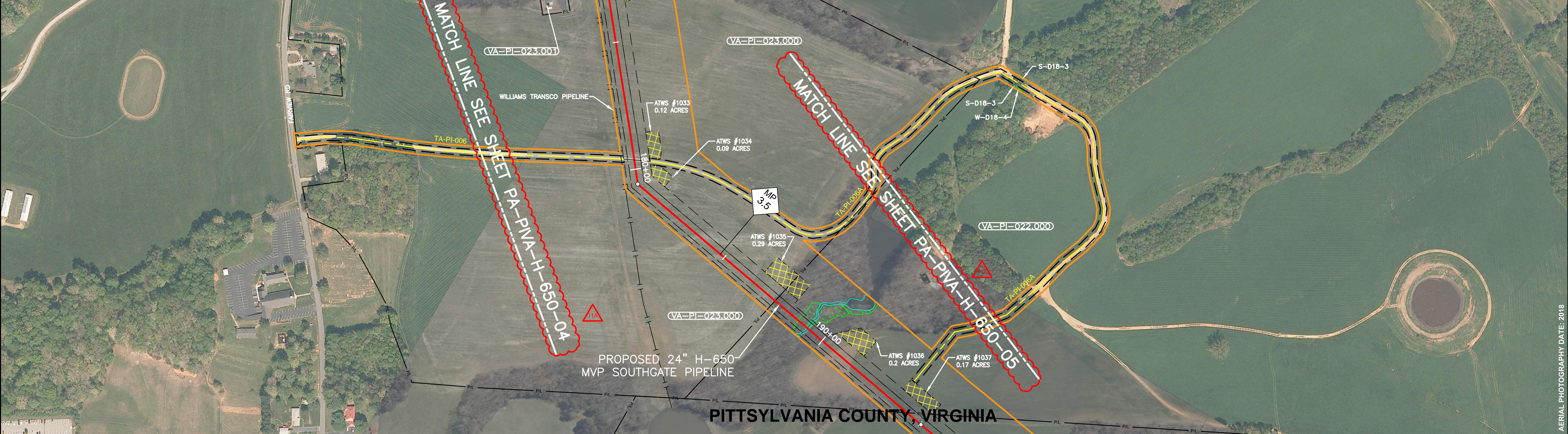
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



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
- DELINEATED STREAM
- DELINEATED WETLAND
- PI SYMBOL
- 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-PNA-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
- 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 FERCC SUPPLEMENTAL FILING



REVISIONS

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

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR BIDDING

REV. NO.	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC

ACCESS ROAD

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

APPROVED FOR FERCC CONSTRUCTION

REV. NO.	DATE	DESCRIPTION

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

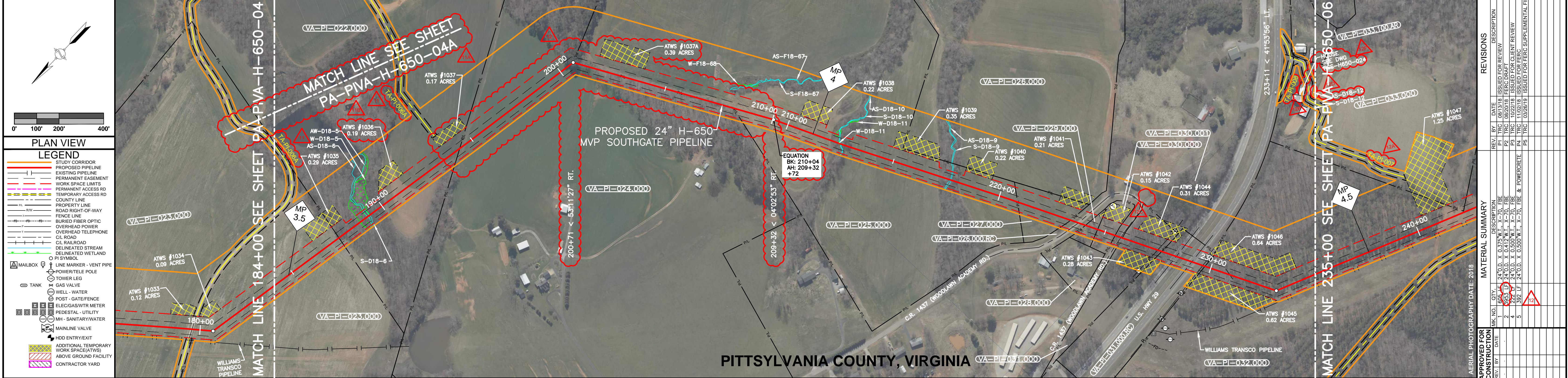
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-04A**

REV. P1

DATE OF PLOT: 3/27/2019 3:26:26 PM

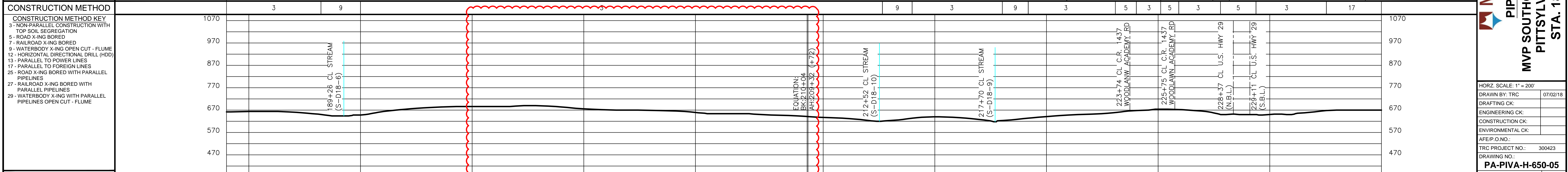
RIGHT-OF-WAY & OWNERSHIP DATA		184+00	VA-PI-023.000	VA-PI-022.000	VA-PI-024.000	VA-PI-025.000	VA-PI-025.000	VA-PI-027.000	VA-PI-026.000.RC	VA-PI-029.000	VA-PI-030.000	VA-PI-026.000.RC	VA-PI-031.000	VA-PI-031.000.RC	VA-PI-032.000
PIPE / COATING		1	360 LF	673 LF	638 LF	747 LF	1340 LF	251 LF	70 LF	57 LF	84 LF	33 LF	187 LF	205 LF	527 LF
SLOPE DISTANCE															
CLASS LOCATION / HCA		1			2						3		2		1
CONSTRUCTION EXCLUSION															
WETLAND / STREAM				W-D18-5 44 LF	S-D18-6 9 LF	W-D18-5 2 LF			W-D18-11 5 LF	S-D18-10 6 LF		S-D18-9 4 LF			



REVISIONS	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	02/02/19	ISSUED FOR FERC SUPPLEMENTAL FILING
	5	02/02/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION	DATE	DESCRIPTION
TRC	08/03/18	ISSUED FOR REVIEW
TRC	08/20/18	FERC DRAFTER CLIENT REVIEW
TRC	11/02/18	ISSUED FOR FERC
TRC	02/02/19	ISSUED FOR FERC SUPPLEMENTAL FILING

DRAWING NO.	DESCRIPTION
PA-PVA-H-650-04	ACCESS ROAD ALIGNMENT SHEET



CONSTRUCTION METHOD	184+00	185+00	190+00	195+00	200+00	205+00	210+00	215+00	220+00	225+00	230+00	235+00
CONSTRUCTION METHOD KEY	3		9					9	3	9	3	17

PROFILE	184+00	185+00	190+00	195+00	200+00	205+00	210+00	215+00	220+00	225+00	230+00	235+00
Profile Data												

ISSUED FOR FERC SUPPLEMENTAL FILING



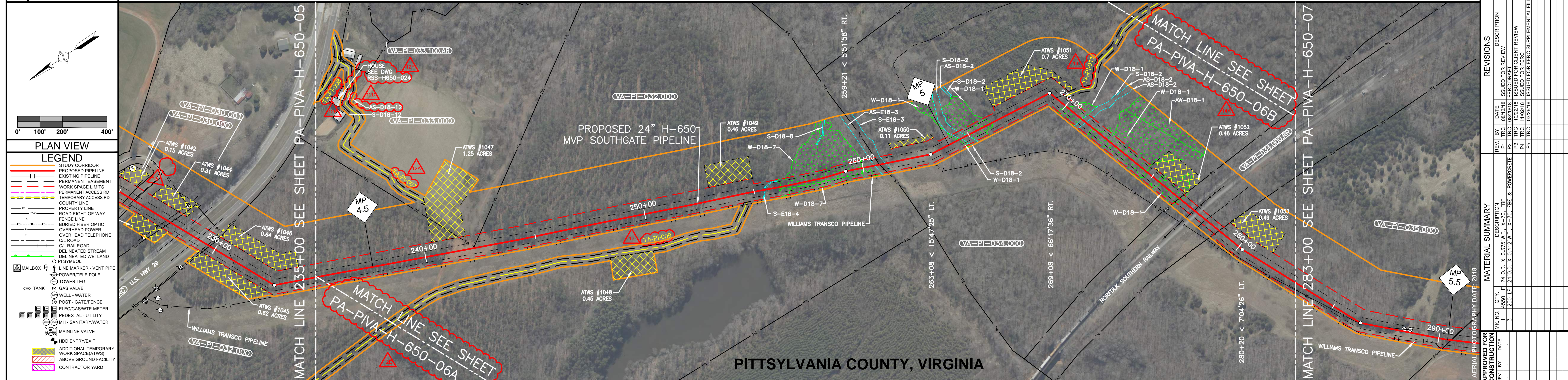
APPROVED FOR BIDDING	DATE	DESCRIPTION
TRC	08/03/18	ISSUED FOR REVIEW
TRC	08/20/18	FERC DRAFTER CLIENT REVIEW
TRC	11/02/18	ISSUED FOR FERC
TRC	02/02/19	ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 184+00 TO STA. 235+00

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-PVA-H-650-05
 SHEET: 5 OF 77 REV. P5
 DATE OF PLOT: 3/27/2019 3:14:43 PM

RIGHT-OF-WAY & OWNERSHIP DATA		235+00	235+00	2575 LF	260+75	260+75	1581 LF	276+56	276+56	3	278+96	278+96	414 LF	283+00	283+00		
DESIGN	PIPE / COATING	1															
	SLOPE DISTANCE	1															
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																
	WETLAND / STREAM	S-E18-4	W-D18-7	S-E18-3	W-D18-1	S-D18-2	W-D18-1	W-D18-1	S-D18-2	W-D18-1	W-D18-1	S-E18-4	W-D18-7	S-E18-3	W-D18-1	S-D18-2	W-D18-1
		4 LF	382 LF	48 LF	14 LF	33 LF	123 LF	87 LF	23 LF	309 LF	122 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 TELEPHONE
- CL ROAD
- CL RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- DI 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-PVA-H-650-05A	ACCESS ROAD ALIGNMENT SHEET
PA-PVA-H-650-05B	ACCESS ROAD ALIGNMENT SHEET
RSS-H650-024	RESIDENTIAL SITE SPECIFIC

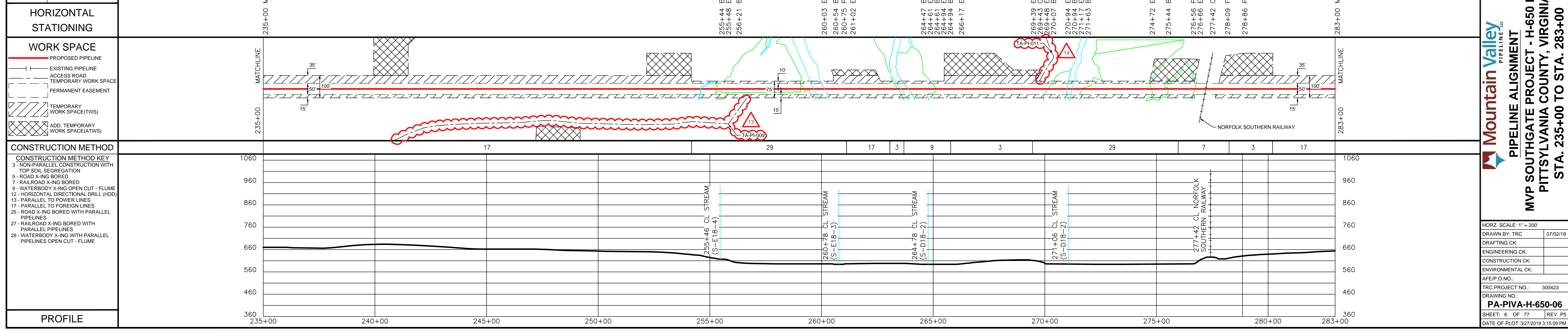
APPROVED FOR BIDDING

REV.	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	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR FERC

REV.	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	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

ISSUED FOR FERC SUPPLEMENTAL FILING



TRC
Results you can rely on

REVISIONS

REV.	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	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

QTY.	DESCRIPTION
1	4550 LF 24" O.D. X 0.375" W.T. X-70, FBE & POWERGRATE
3	250 LF 24" O.D. X 0.412" W.T. X-70, FBE & POWERGRATE

APPROVED FOR CONSTRUCTION

REV.	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	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR BIDDING

REV.	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	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR FERC

REV.	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	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 235+00 TO STA. 283+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-PVA-H-650-06

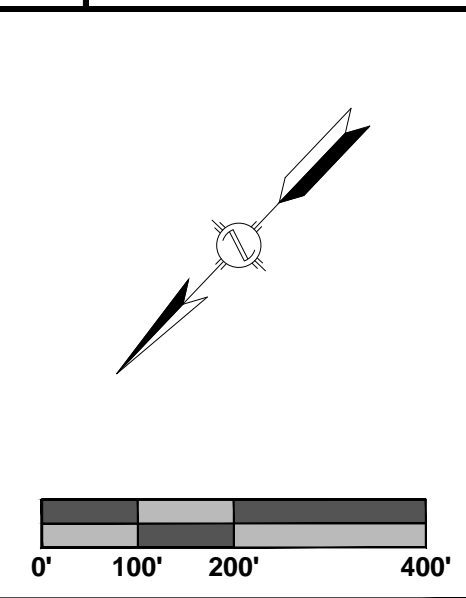
SHEET: 6 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:15:09 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
- DELINEATED STREAM
- DELINEATED WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- TANK
- 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-650-06	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

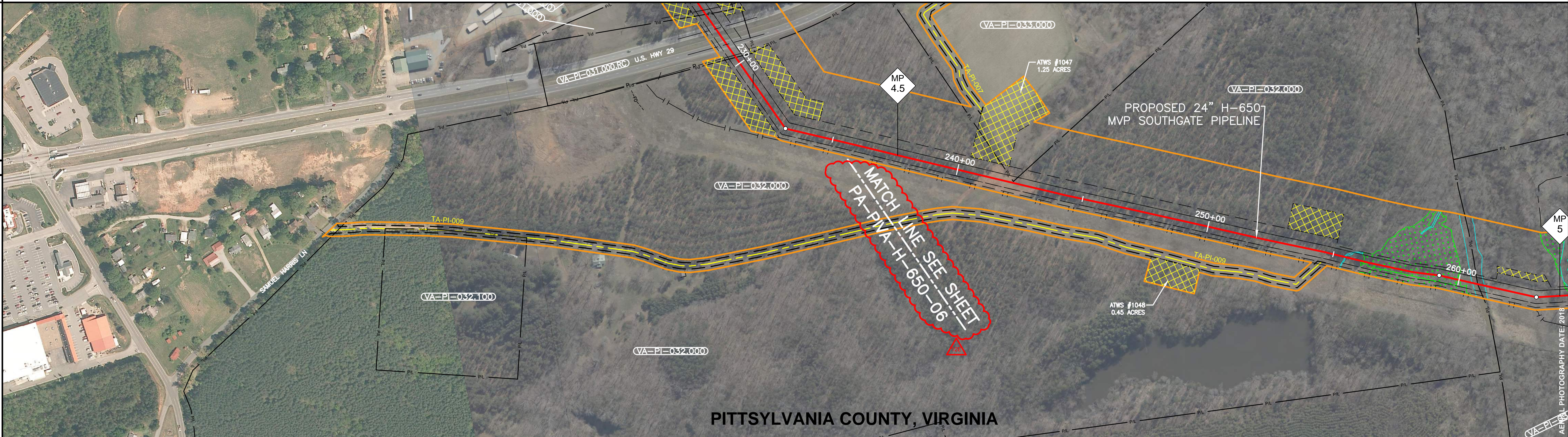
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

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



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	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

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-009

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-650-06A**

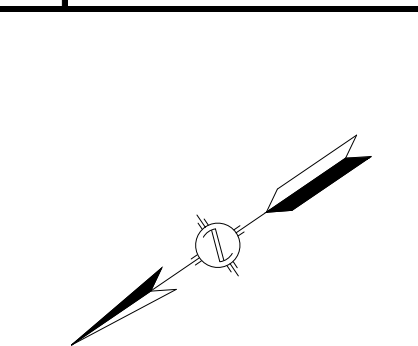
REV. P1

DATE OF PLOT: 3/27/2019 3:28:38 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
- DELINEATED STREAM
- DELINEATED 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
- MANLINE 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		MATERIAL SUMMARY		APPROVED FOR CONSTRUCTION	
REV. NO.	DATE	REV. BY	DATE	REV. BY	DATE
P1	03/28/18	TRC	03/28/18		

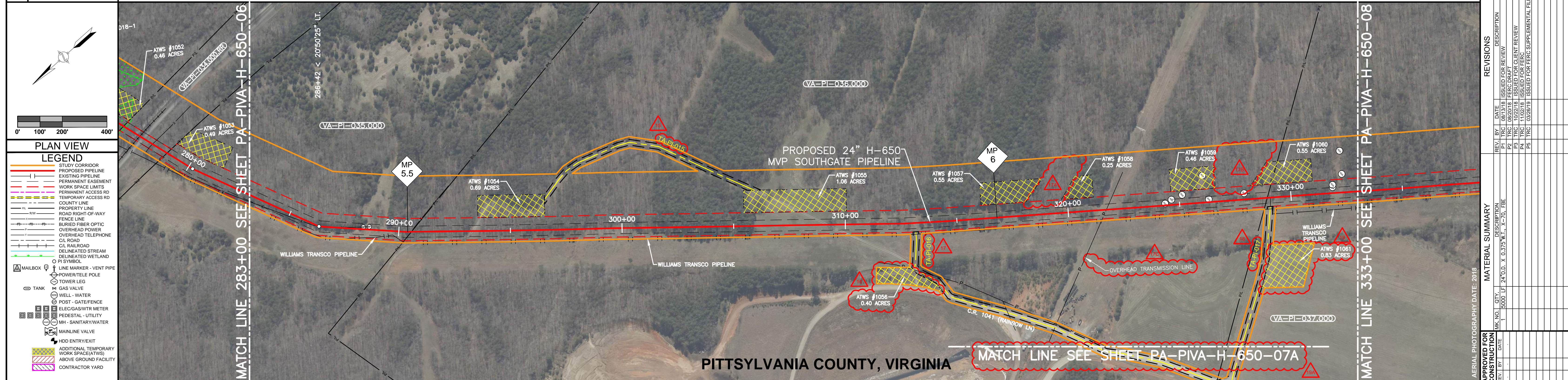
Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-011

HORZ. SCALE: 1" = 200'

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

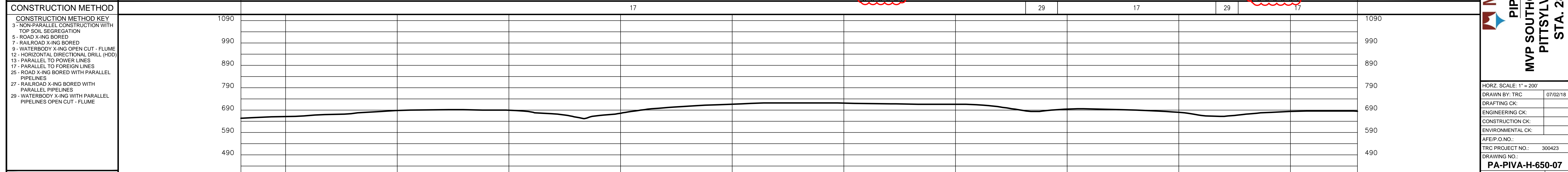
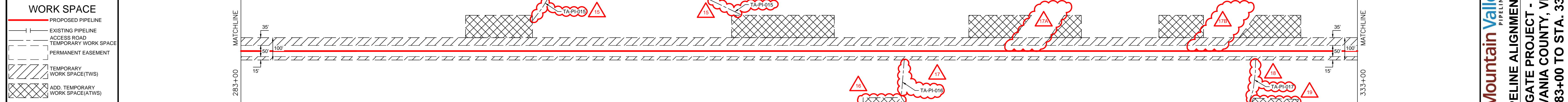
AFE/IP.O.NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.: **PA-PIVA-H-650-06B**
 REV. P1
 DATE OF PLOT: 3/27/2019 3:28:56 PM

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			



REFERENCE DRAWINGS	DESCRIPTION
PA-PIVA-H-650-07A	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING	283+00 MATCH LINE	286+38 FENCE, 4' BARBED WIRE	286+57 FENCE, 4' BARBED WIRE	287+26 FENCE, 4' BARBED WIRE	290+57 FENCE, 4' BARBED WIRE	290+57 PROPERTY LINE	293+24 EDGE OF ROAD	293+32 CL ACCESS ROAD (GRAVEL)	293+38 EDGE OF ROAD	309+16 EDGE OF ROAD	309+26 CL ACCESS RD (GRAVEL)	309+36 EDGE OF ROAD	321+71 OVERHEAD TRANSMISSION LINE	328+94 PROPERTY LINE	329+05 EDGE OF ROAD	329+09 CL ACCESS RD (GRAVEL)	329+15 EDGE OF ROAD	333+00 MATCH LINE
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PROFILE	283+00	285+00	290+00	295+00	300+00	305+00	310+00	315+00	320+00	325+00	330+00	333+00
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ISSUED FOR FERC SUPPLEMENTAL FILING

Mountain Valley Pipeline LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 283+00 TO STA. 333+00

TRC
Results you can rely on

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

MATERIAL SUMMARY

QTY.	DESCRIPTION
1	5000 LF 24" O.D. X 0.375" W.T. X-70 FEE

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

AERIAL PHOTOGRAPHY DATE: 2016

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-650-07

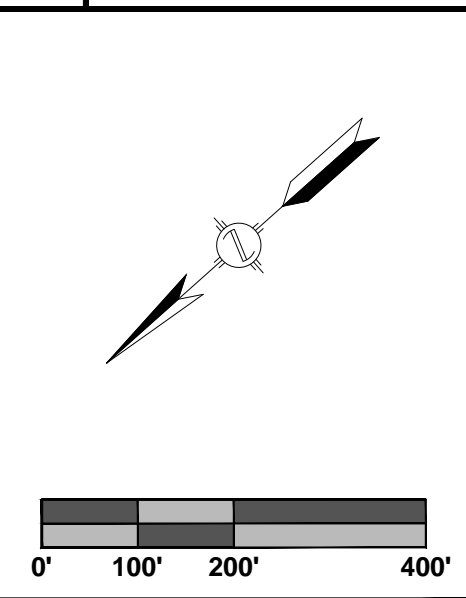
SHEET: 7 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:15:39 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



PLAN VIEW

LEGEND

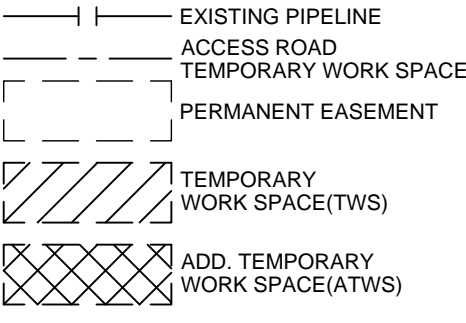
- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- OL ROAD
- CL RAILROAD
- DELINEATED STREAM
- DELINEATED 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



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
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- 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 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-016 & 018

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PI.O.NO.:

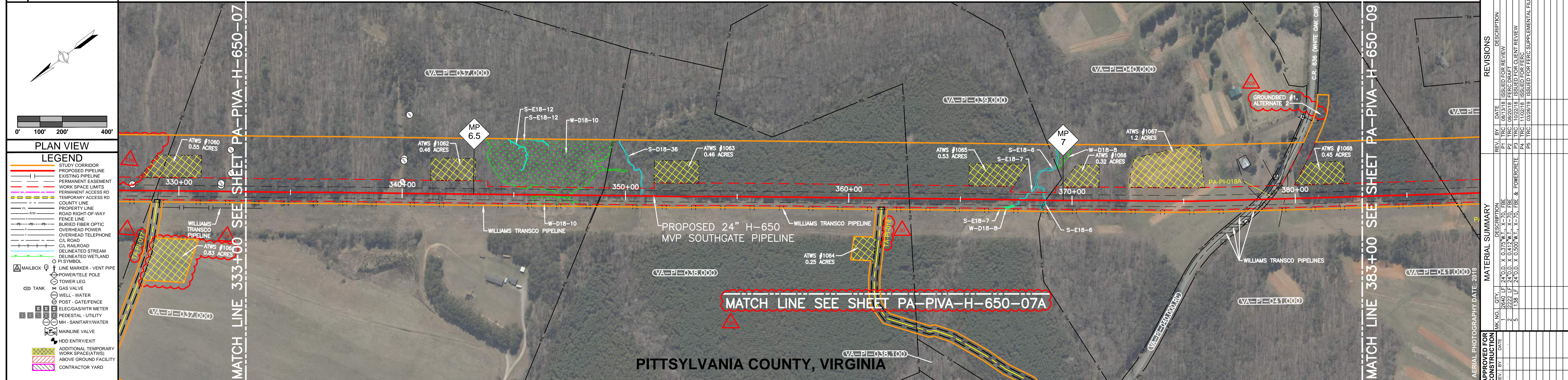
TRC PROJECT NO.: 300423

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

REV. P1

DATE OF PLOT: 3/27/2019 3:27:23 PM

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-037.000	VA-PI-038.000	VA-PI-039.000	VA-PI-040.000	VA-PI-040.000.RC	VA-PI-041.000
		1592 LF	1379 LF	610 LF	943 LF	C.R. 836 (WHITE OAK CIRCLE) 67 LF	409 LF
DESIGN	PIPE / COATING	1	2	1	2	5	2
	SLOPE DISTANCE						
	CLASS LOCATION / HCA	1	2	1		2	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION						
	WETLAND / STREAM		W-D18-10 53 LF	S-D18-36 5 LF	S-E18-7 4 LF	S-E18-6 6 LF	



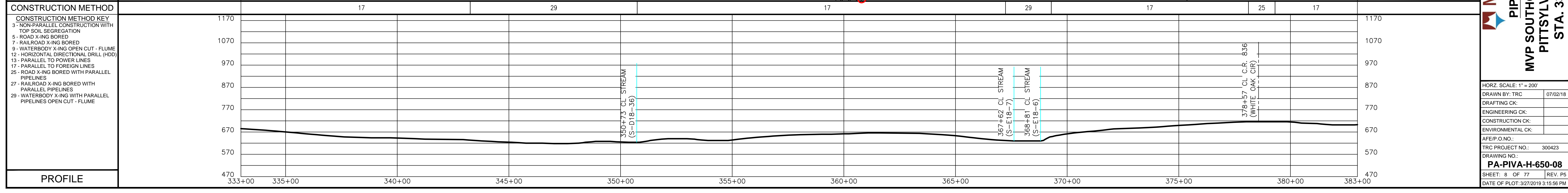
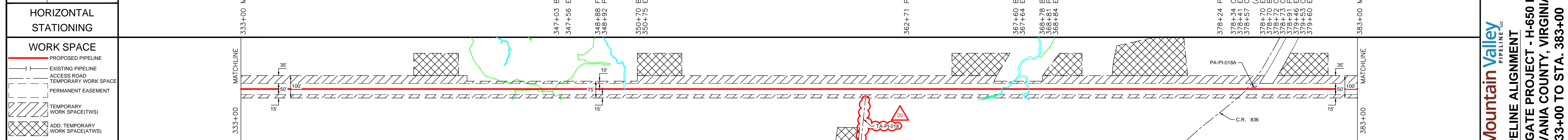
PLAN VIEW

LEGEND

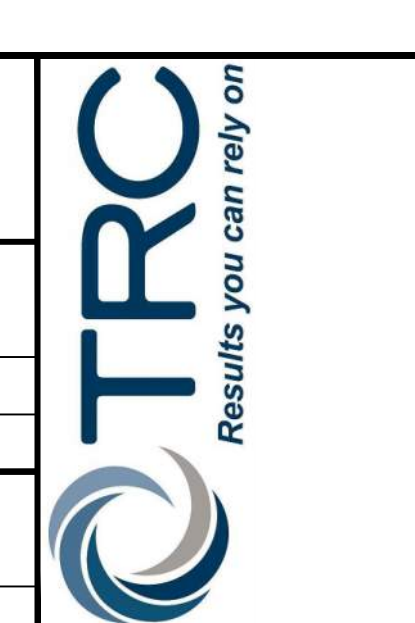
- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD TELEPHONE
- CL ROAD
- RAILROAD
- DELINEATED STREAM
- DELINEATED 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



ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/13/19	ISSUED FOR REVIEW
P2	08/20/19	FERC DRAWING CLIENT REVIEW
P3	11/02/19	ISSUED FOR FERC
P5	03/20/20	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

QTY.	DESCRIPTION
2640 LF	24" O.D. X 0.375" W.T. X-70, FBE
2422 LF	24" O.D. X 0.412" W.T. X-70, FBE
136 LF	24" O.D. X 0.500" W.T. X-70, FBE & POWERGREY

APPROVED FOR CONSTRUCTION

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. 333+00 TO STA. 383+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

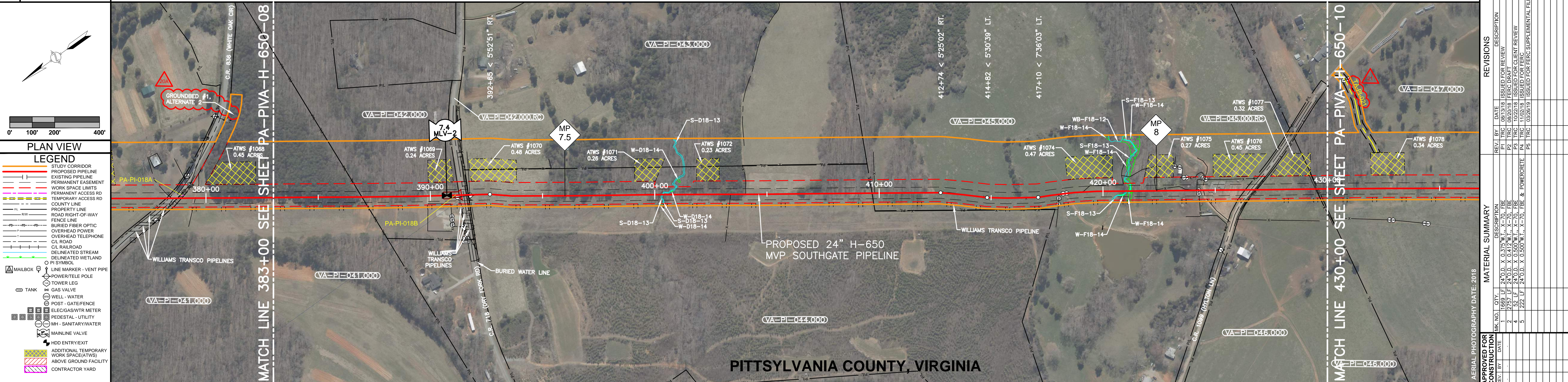
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PA-PIVA-H-650-08

SHEET: 8 OF 77 REV. P5

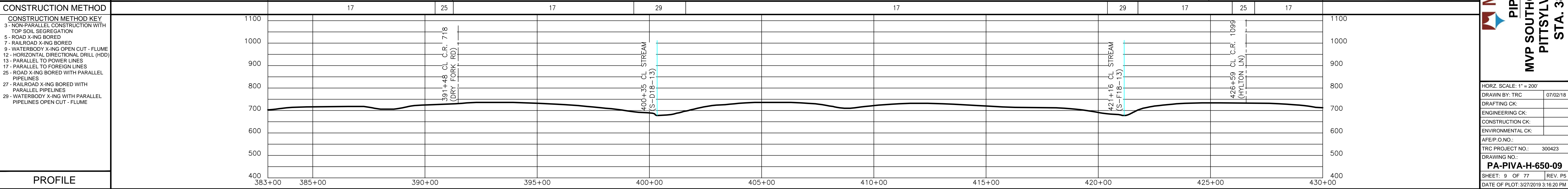
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RIGHT-OF-WAY & OWNERSHIP DATA	VA-PI-041.000	VA-PI-042.000	VA-PI-042.000.RC C.R. 718 (DRY FORK RD)	VA-PI-044.000	VA-PI-045.000	VA-PI-045.000.RC C.R. 1099 (HYLTON LN)	VA-PI-046.000	VA-PI-047.000	
PIPE / COATING	395 LF	433 LF	40 LF	1800 LF	1666 LF	51 LF	273 LF	42 LF	
SLOPE DISTANCE	2	4	5	2	1	5	2	2	
CLASS LOCATION / HCA		2			1		2		
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	APPROVED FOR BIDDING	APPROVED FOR CONSTRUCTION
DRAWING NO. DESCRIPTION	REV. BY DATE	REV. BY DATE
X-3-XXXX-100-01 PROPOSED MAIN LINE VALVE FLOT PLAN		

HORIZONTAL STATIONING	WORK SPACE
383+00 MATCHLINE	15' 100'
391+28 PROPERTY LINE	
391+29 EDGE OF ROAD (DRY FORK RD)(ASPHALT)	
391+57 EDGE OF ROAD	
391+60 WATER LINE	
391+62 CL DITCH	
391+69 FENCE LINE	
391+76 OVERHEAD POWER LINE	
400+33 BEGIN STREAM (S-D18-13)	
400+36 END STREAM (S-D18-13)	
408+68 PROPERTY LINE	
408+72 BEGIN FENCE, 4' ELECTRIC	
412+40 FENCE, 3' ELECTRIC	
418+03 END FENCE, 3' ELECTRIC	
421+08 BEGIN WETLAND (W-F18-14)	
421+11 END WETLAND (W-F18-14)	
421+11 BEGIN STREAM (S-F18-13)	
421+20 END STREAM (S-F18-13)	
421+20 BEGIN WETLAND (W-F18-14)	
421+25 END WETLAND (W-F18-14)	
424+26 FENCE, 4' METAL	
424+40 EDGE OF ROAD	
424+48 CL ROAD (GRAVEL)	
424+53 EDGE OF ROAD	
426+34 PROPERTY LINE	
426+39 EDGE OF ROAD	
426+59 CL C.R. 1099 (HYLTON LN)(ASPHALT)	
426+70 EDGE OF ROAD	
426+75 CL DITCH	
426+85 PROPERTY LINE	
428+51 FENCE, 3' ELECTRIC	
428+58 PROPERTY LINE	
430+00 MATCHLINE	



CONSTRUCTION METHOD
CONSTRUCTION METHOD KEY
3 - NON-PARALLEL CONSTRUCTION WITH TOP SOIL SEGREGATION
5 - ROAD X-ING BORED
7 - RAILROAD X-ING BORED
8 - WATERBODY X-ING OPEN CUT - FLUME
12 - HORIZONTAL DIRECTIONAL DRILL (HDD)
17 - 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
383+00
385+00
390+00
395+00
400+00
405+00
410+00
415+00
420+00
425+00
430+00



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

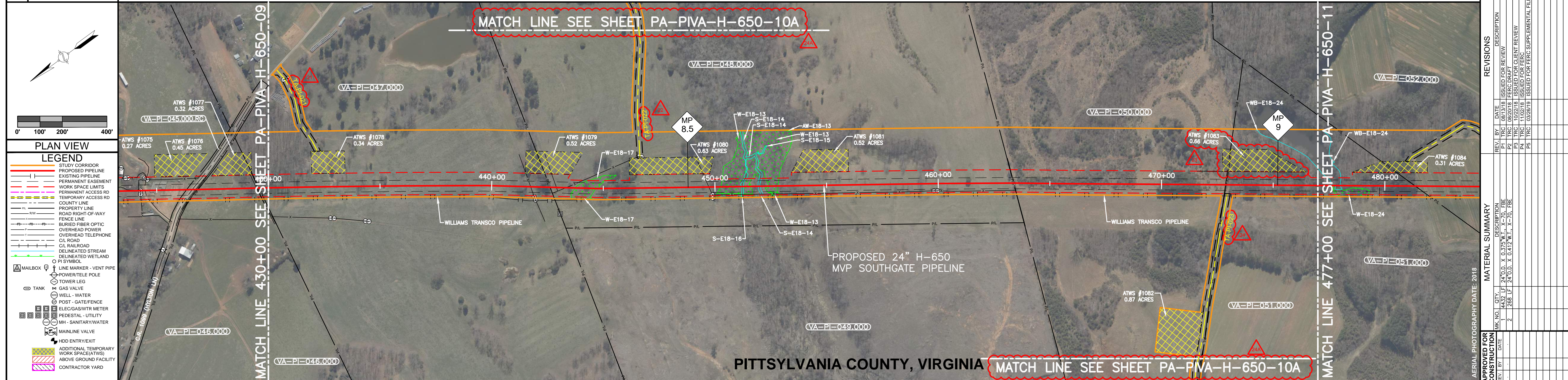
MATERIAL SUMMARY	
QTY.	DESCRIPTION
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277 LF	24\"/>
222 LF	24\"/>

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

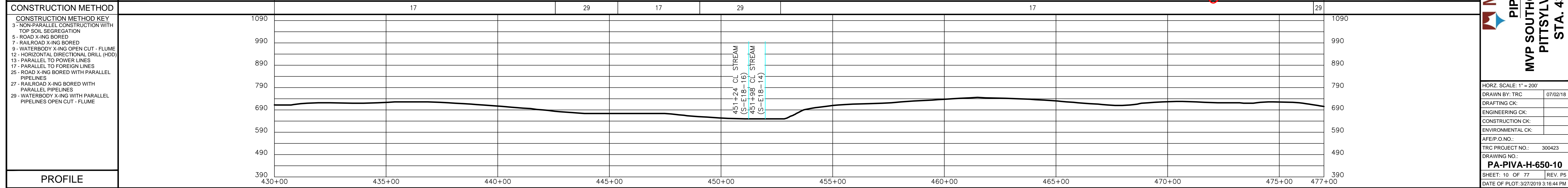
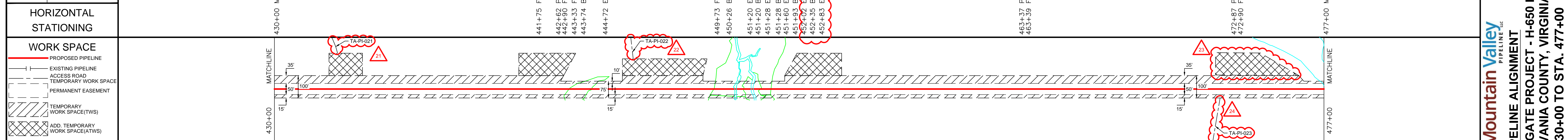
HORIZ. SCALE: 1" = 200'
 DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/PO NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-09
 SHEET: 9 OF 77 REV. P5
 DATE OF PLOT: 3/27/2019 3:18:20 PM

ISSUED FOR FERC SUPPLEMENTAL FILING

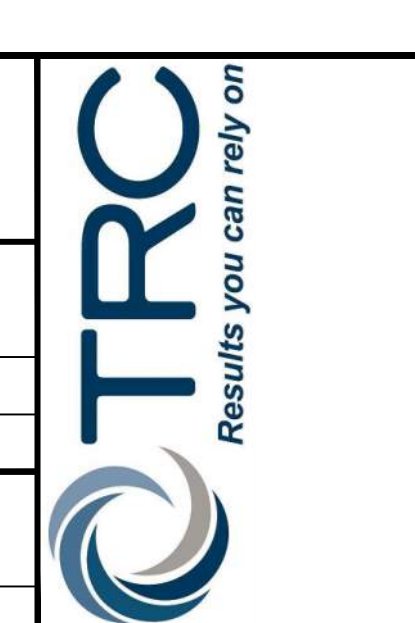
RIGHT-OF-WAY & OWNERSHIP DATA		430+00	442+62	442+62	463+37	472+87	477+00
		VA-PI-047.000	VA-PI-048.000	VA-PI-050.000	VA-PI-051.000		
		1262 LF	2075 LF	950 LF	413 LF		
DESIGN	PIPE / COATING	439+00	2	432+68			
	SLOPE DISTANCE						
	CLASS LOCATION / HCA		2				
ENVIRONMENTAL	CONSTRUCTION EXCLUSION						
	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



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



CONSTRUCTION METHOD		17	29	17	29	17	29
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							



REVISIONS		REV. BY	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	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING
MATERIAL SUMMARY		WKS. NO.	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 BIDDING		REV. BY	DATE	

ISSUED FOR FERC SUPPLEMENTAL FILING

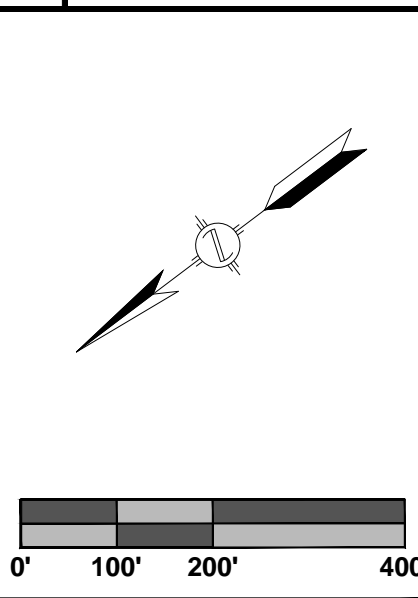
Mountain Valley
PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 430+00 TO STA. 477+00

HORZ. SCALE: 1" = 200'
DRAWN BY: TRC 07/02/18
DRAFTING CK:
ENGINEERING CK:
CONSTRUCTION CK:
ENVIRONMENTAL CK:
AFE/ P.O. NO.:
TRC PROJECT NO.: 300423
DRAWING NO.:
PA-PVA-H-650-10
SHEET: 10 OF 77 REV. P5
DATE OF PLOT: 3/27/2019 3:18:44 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

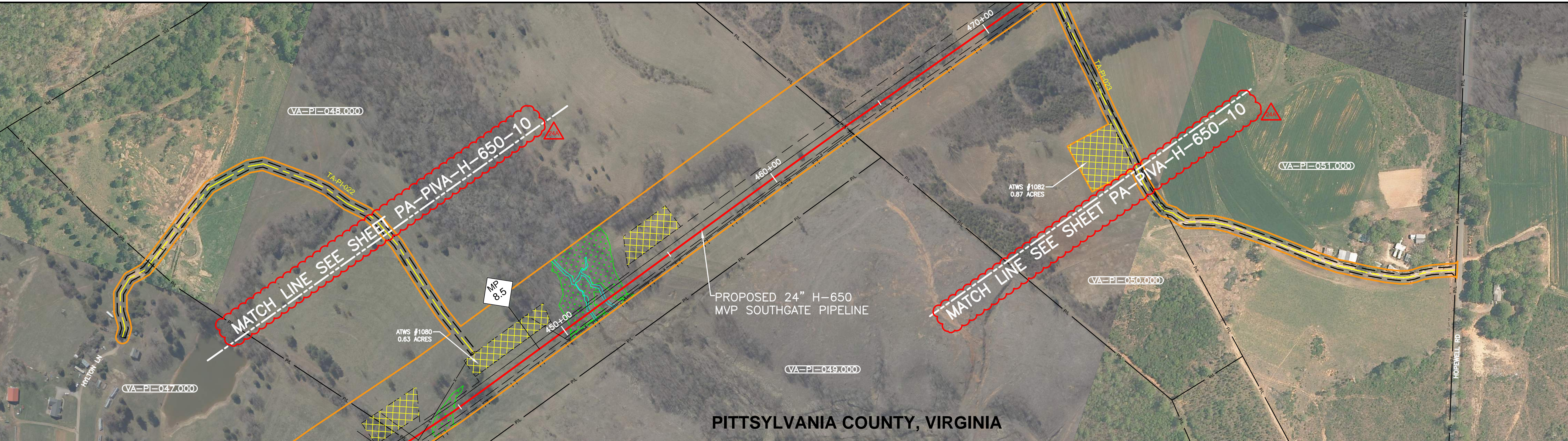
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



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
- DELINEATED STREAM
- DELINEATED 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	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

APPROVED FOR BIDDING

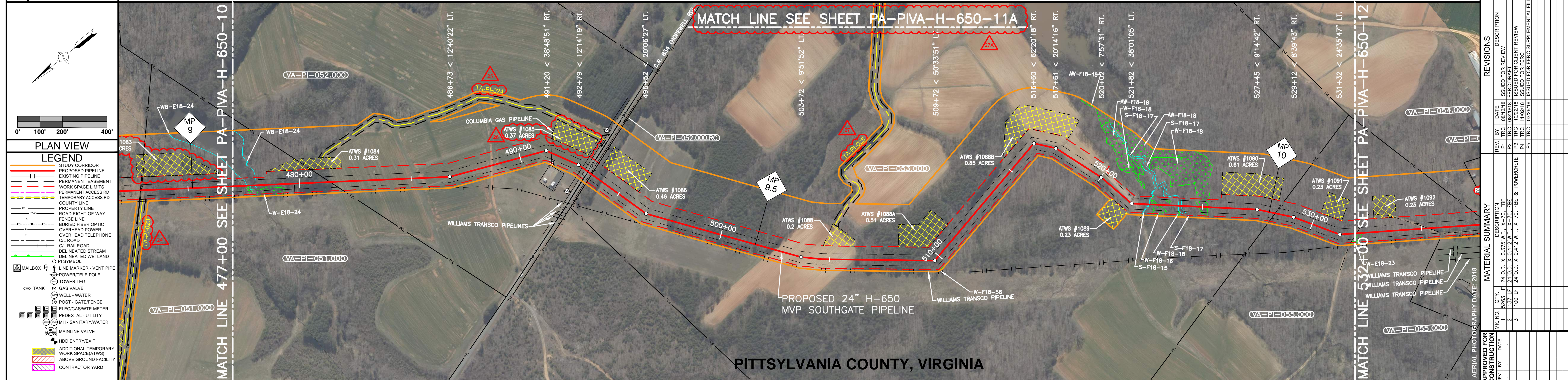
REV. BY	DATE

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:	3/27/2019 3:27:43 PM

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-051.000	VA-PI-052.000	VA-PI-052.000.RC	VA-PI-053.000	VA-PI-055.000	
		477+00 477+00	481+37 481+37	493+31 493+31	493+51 493+51	528+28 528+28	
		437 LF	1194 LF	20 LF	3477 LF	372 LF	
DESIGN		PIPE / COATING		1		2	
		SLOPE DISTANCE		1		2	
		CLASS LOCATION / HCA		1		2	
ENVIRONMENTAL		CONSTRUCTION EXCLUSION		1		2	
		WETLAND / STREAM		S-F18-15		W-F18-16	
		23 LF		3 LF		27 LF	
				S-F18-17		W-F18-18	
				14 LF		40 LF	



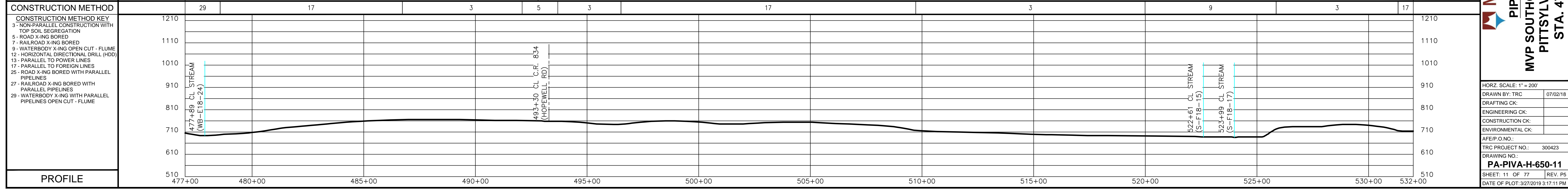
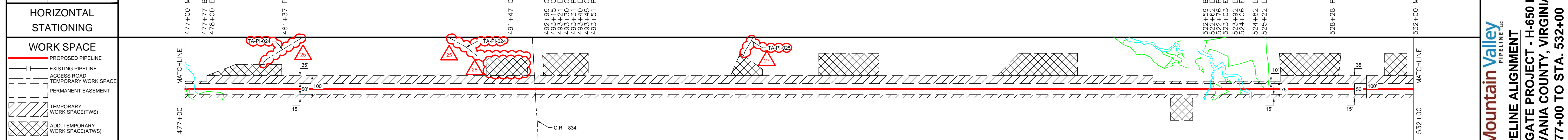
PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
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- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD TELEPHONE
- CL ROAD
- CL RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- PI SYMBOL
- MAILBOX
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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
PA-PVA-H-650-11A	ACCESS ROAD ALIGNMENT SHEET



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
P5	TRC	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

QTY.	DESCRIPTION
1	5263 LF 24" O.D. X 0.375" W.T. X-70. FBE
2	137 LF 24" O.D. X 0.412" W.T. X-70. FBE
3	100 LF 24" O.D. X 0.412" W.T. X-70. FBE & POWERGRETE

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

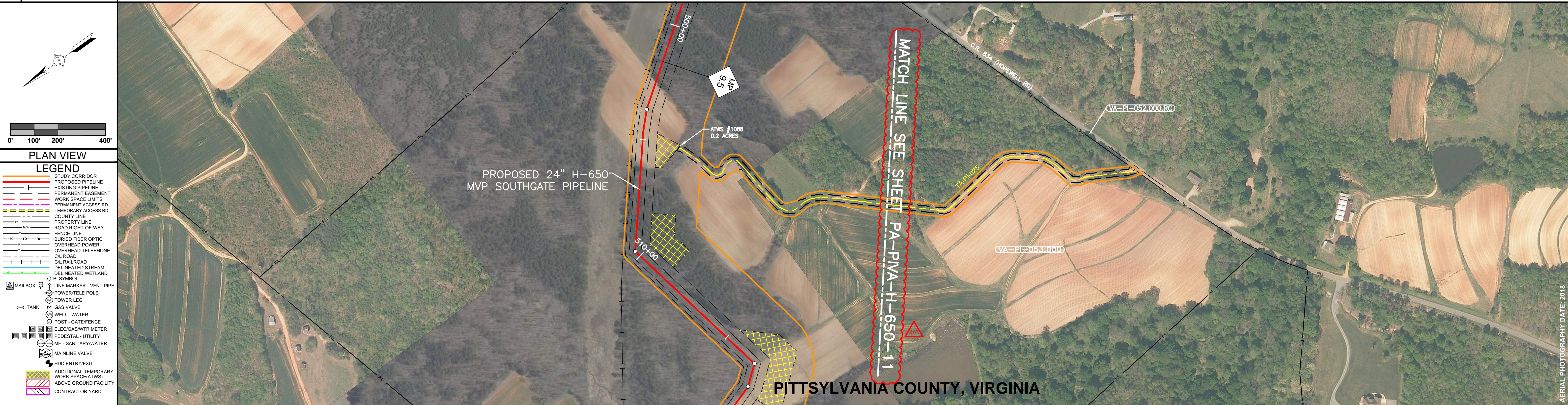
STA. 477+00 TO STA. 532+00

HORIZ. SCALE: 1" = 200'

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

AFE/PI.O.NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PVA-H-650-11
 SHEET: 11 OF 77 REV. P5
 DATE OF PLOT: 3/27/2019 3:17:11 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
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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
PA-PIVA-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
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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	03/28/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

MATERIAL	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-025

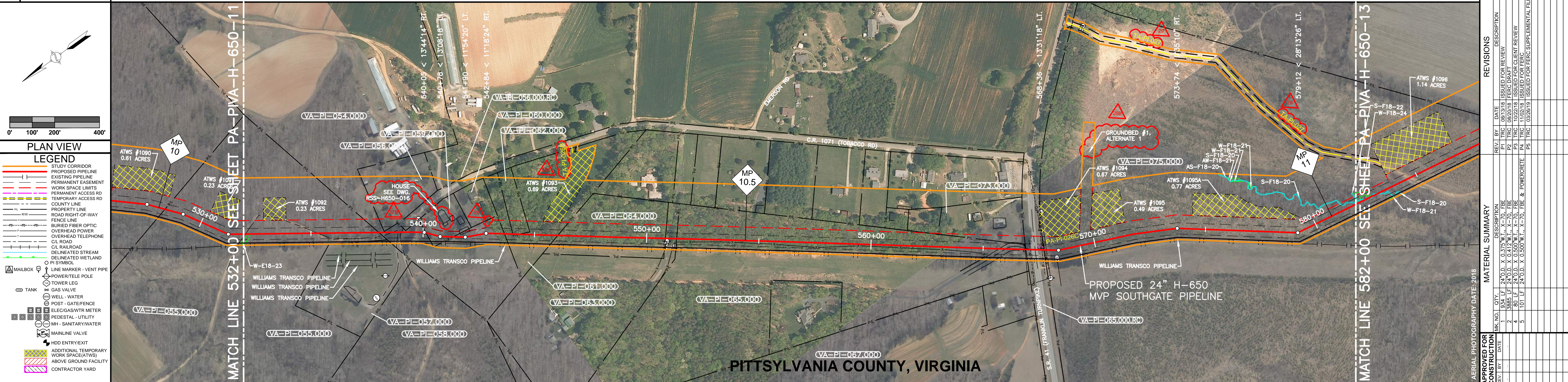
HORZ. SCALE: 1" = 200'

DRAWN BY: TRC	07/02/18
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ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PO NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PIVA-H-650-11A
REV. P1	
DATE OF PLOT:	3/27/2019 3:28:08 PM

RIGHT-OF-WAY & OWNERSHIP DATA		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	VA-PI-075.000
		603 LF	210 LF	123 LF	230 LF	38 LF	24 LF	176 LF	480 LF	50 LF	1556 LF	81 LF	1429 LF

DESIGN	PIPE / COATING	2	4				2					5	2	1
	SLOPE DISTANCE													
	CLASS LOCATION / HCA						2							1

ENVIRONMENTAL	CONSTRUCTION EXCLUSION													
	WETLAND / STREAM		W-E18-23											

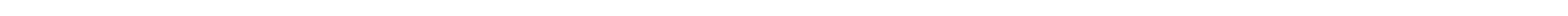
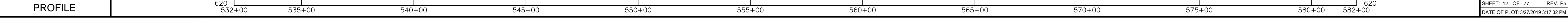
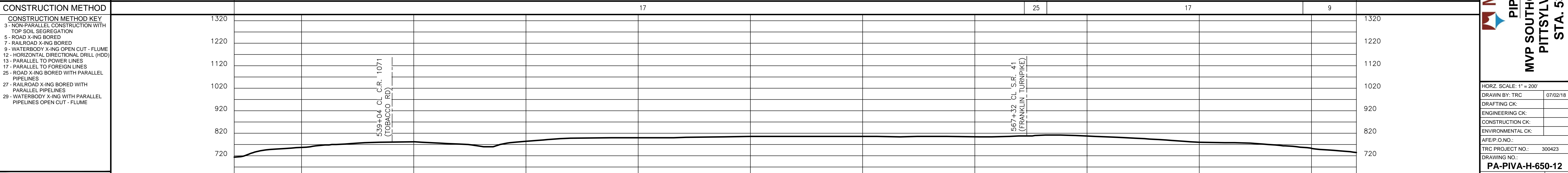


PLAN VIEW LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
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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
RSS-H650-016	RESIDENTIAL SITE SPECIFIC



REVISIONS

REV.	BY	DATE	DESCRIPTION
1	TRC	08/13/19	ISSUED FOR REVIEW
2	TRC	08/20/19	FERC DRAWING CLIENT REVIEW
3	TRC	11/02/19	ISSUED FOR FERC
4	TRC	02/20/20	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
5	5	5

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

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-650-12

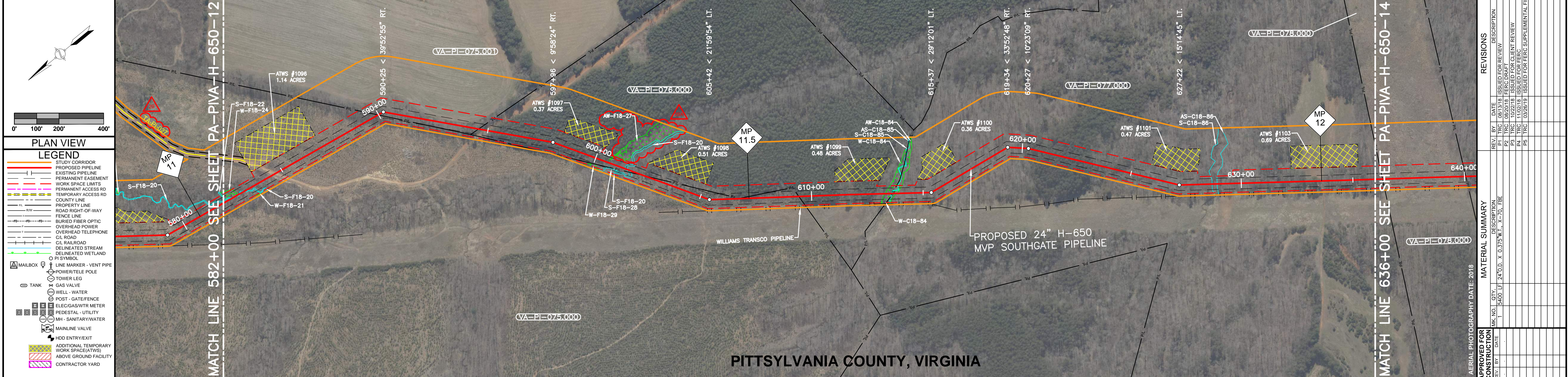
SHEET: 12 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:17:32 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							
		798 LF	589+98	460 LF	594+58	773 LF	602+31	712 LF	609+43	419 LF	613+62	2238 LF	636+00	636+00

DESIGN	PIPE / COATING	
	SLOPE DISTANCE	1
CLASS LOCATION / HCA		1

ENVIRONMENTAL	CONSTRUCTION EXCLUSION							
	WETLAND / STREAM	S-F18-20 27 LF	S-F18-20 4 LF	S-F18-20 9 LF	S-F18-20 40 LF	W-C18-84 29 LF	S-C18-85 4 LF	W-C18-84 20 LF

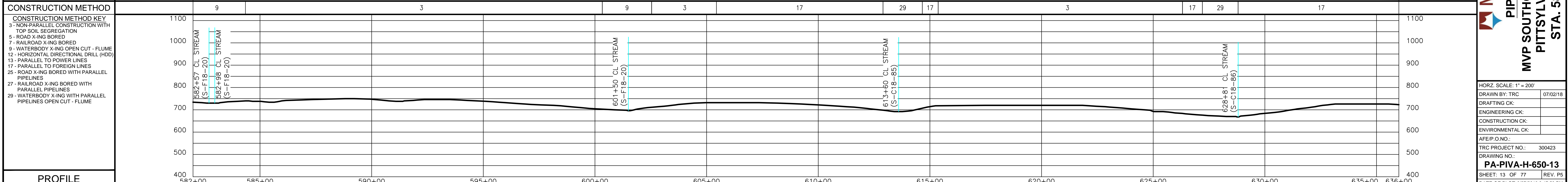
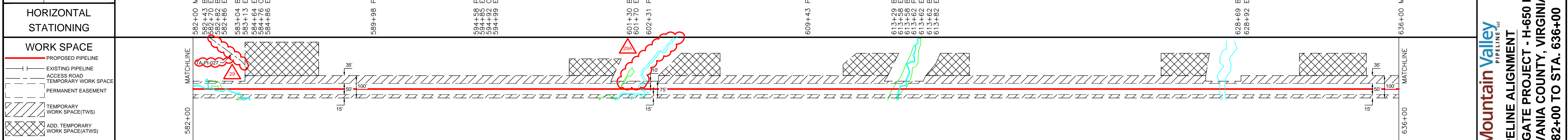


PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- EXISTING PIPELINE
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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



CONSTRUCTION METHOD														
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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. 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	
P5	TRC	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING	

MATERIAL SUMMARY		MATERIAL	QTY.	DATE
1	5400 LF	24" O.D. X 0.375" T. X-70. FBE		2018

APPROVED FOR CONSTRUCTION		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

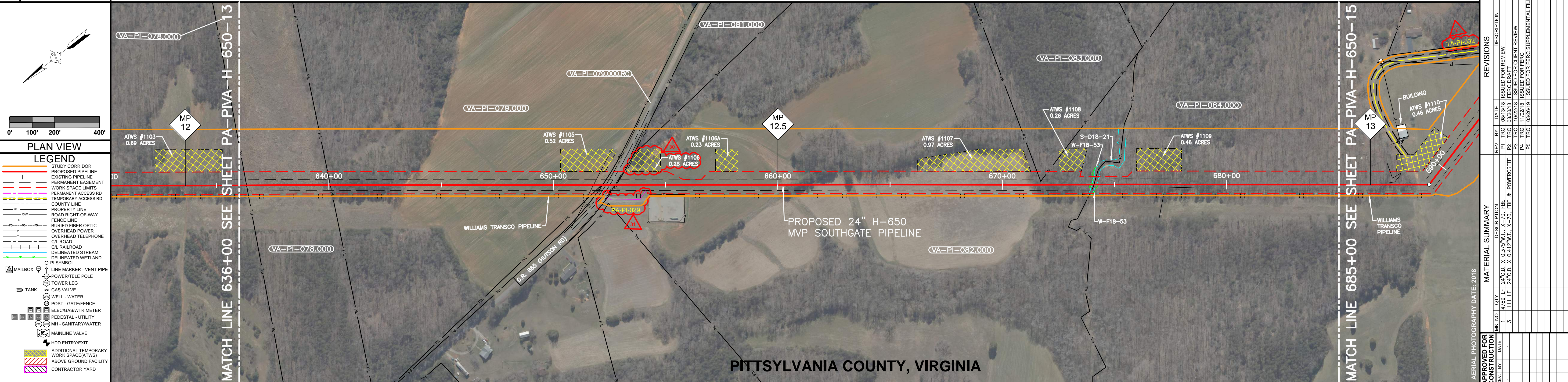
DRAWING NO.:

PA-PIVA-H-650-13

SHEET: 13 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:17:50 PM

RIGHT-OF-WAY & OWNERSHIP DATA	VA-PI-077.000 33 LF	VA-PI-078.000 373 LF	VA-PI-079.000 1209 LF	VA-PI-082.000 4 LF	VA-PI-079.000.RC C.R. 865 (HUTSON RD) 60 LF	VA-PI-082.000 2130 LF	VA-PI-084.000 1091 LF
DESIGN	PIPE / COATING	1					
	SLOPE DISTANCE	1					
	CLASS LOCATION / HCA	1					
ENVIRONMENTAL	CONSTRUCTION EXCLUSION						
	WETLAND / STREAM	W-F18-53 8 LF S-D18-21 15 LF W-F18-53 6 LF					



PLAN VIEW

LEGEND

- STUDY CORRIDOR
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- EXISTING PIPELINE
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- WORK SPACE LIMITS
- PERMANENT ACCESS RD
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- COUNTY LINE
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- FENCE LINE
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- OVERHEAD POWER
- OVERHEAD TELEPHONE
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- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

