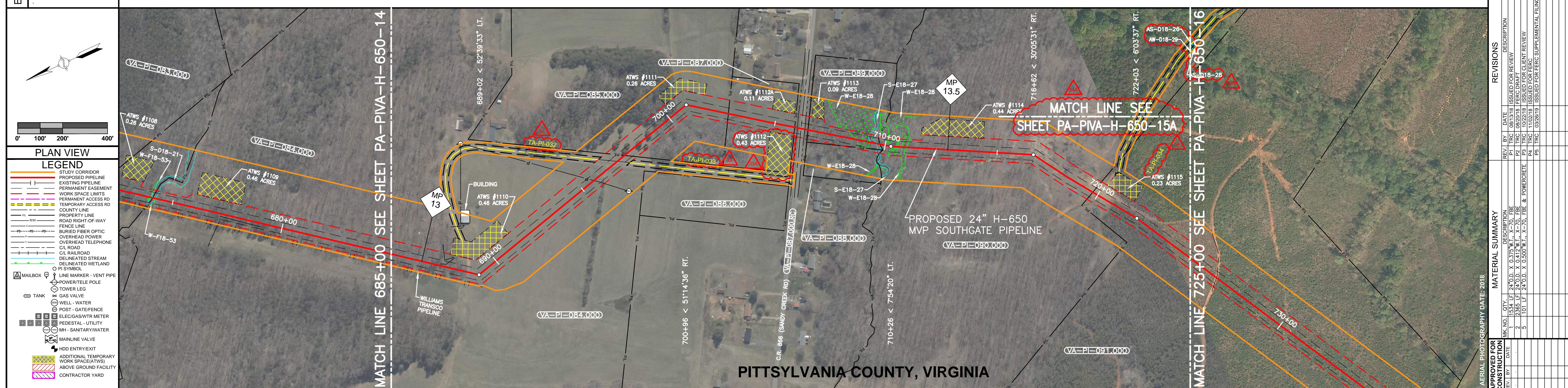
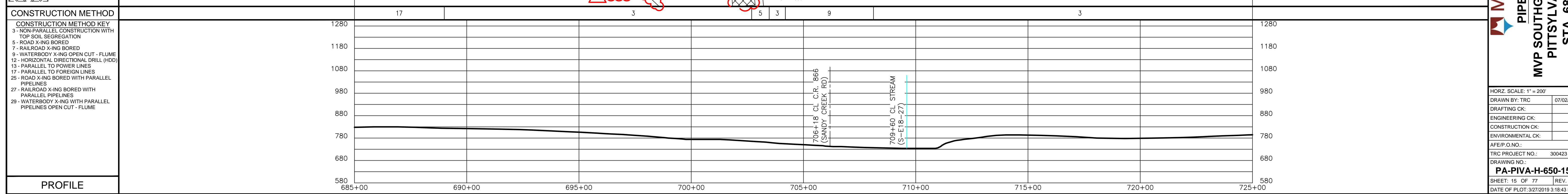
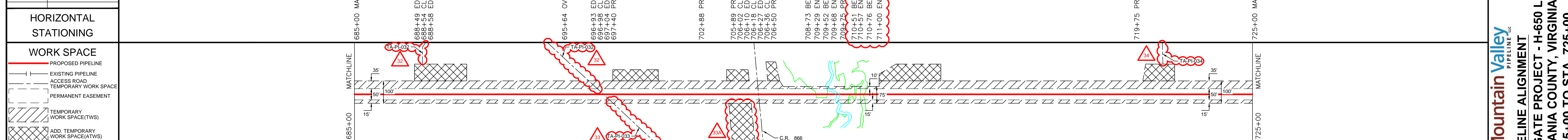


RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-084.000	VA-PI-085.000	VA-PI-087.000	VA-PI-087.000.RC	VA-PI-089.000	VA-PI-090.000	VA-PI-091.000
PIPE / COATING		1	2		5	2		
SLOPE DISTANCE								
CLASS LOCATION / HCA				2				
CONSTRUCTION EXCLUSION								
WETLAND / STREAM						W-E18-28 56 LF	S-E18-27 16 LF	W-E18-28 6 LF
								W-E18-28 24 LF



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



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



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	02/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION	DATE

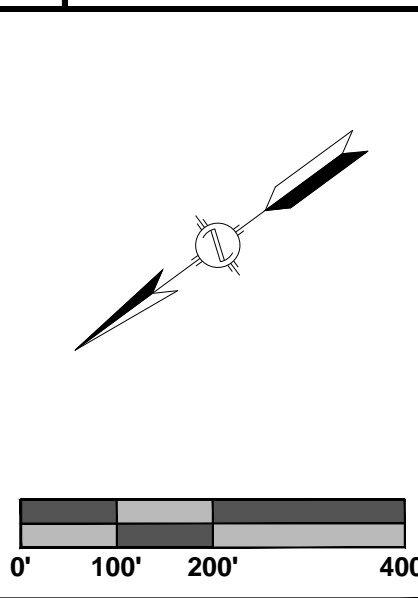
Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 685+00 TO STA. 725+00

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-650-15	
SHEET: 15 OF 77	REV. P5
DATE OF PLOT: 3/27/2019 3:18:43 PM	

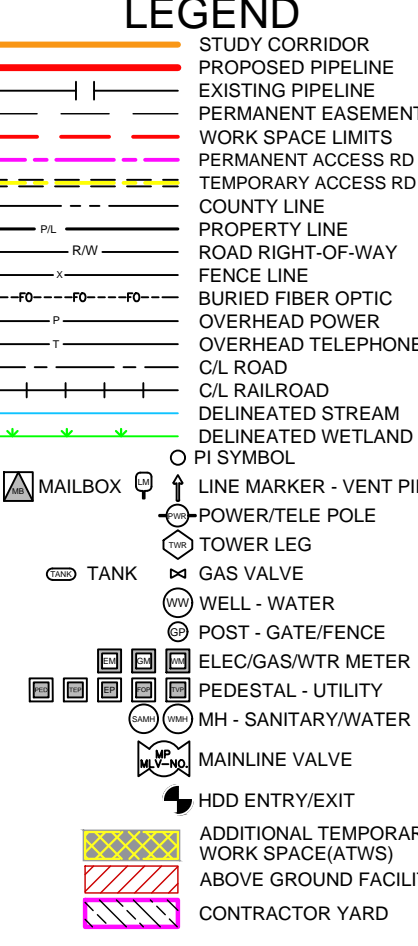
RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

ENVIRONMENTAL



PLAN VIEW

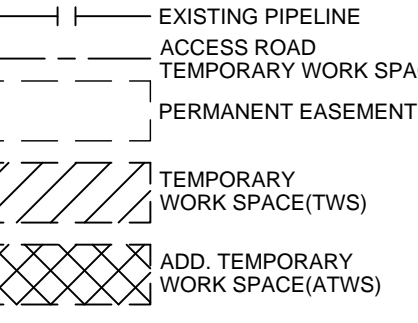


REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-H-650-15	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

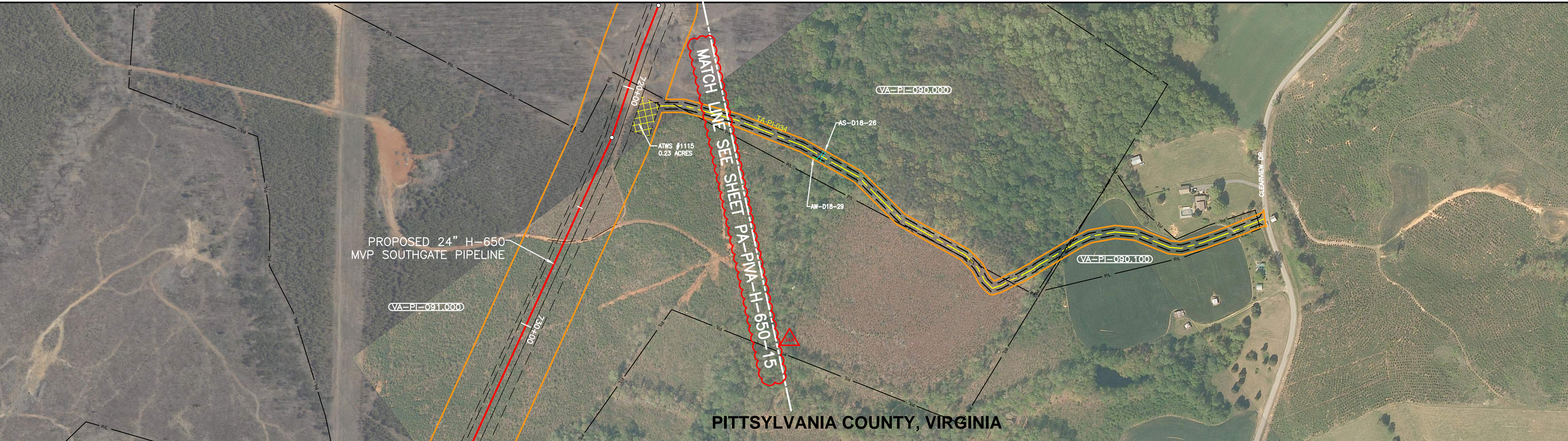


CONSTRUCTION METHOD

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

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

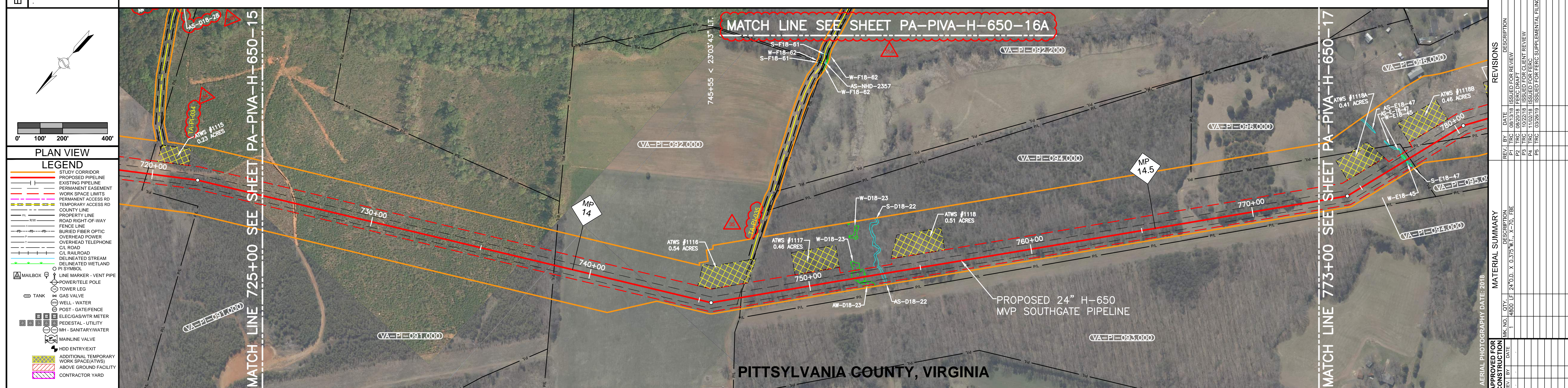
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-034

HORZ. SCALE: 1" = 200'

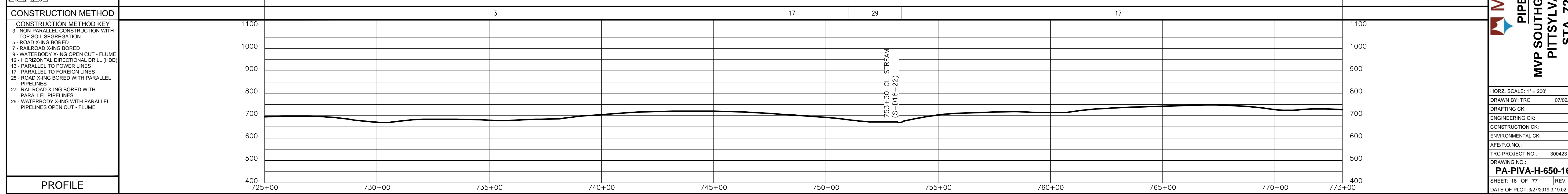
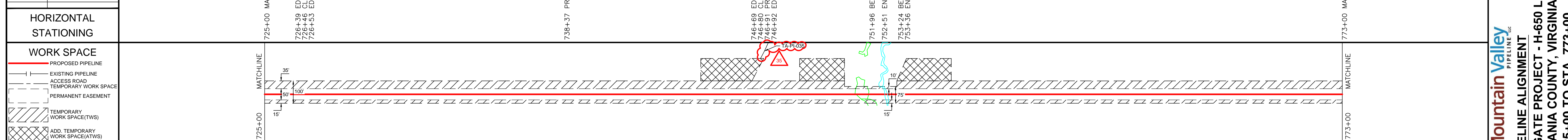
DRAWN BY:	TRC	07/02/18
DRAFTING CK:		
ENGINEERING CK:		
CONSTRUCTION CK:		
ENVIRONMENTAL CK:		
AFE/PO NO.:		
TRC PROJECT NO.:	300423	
DRAWING NO.:	PA-PIVA-H-650-15A	
REV. P1		

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

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-091.000	VA-PI-092.000	VA-PI-094.000
		1337 LF	854 LF	2609 LF
DESIGN	PIPE / COATING	1		
	SLOPE DISTANCE	1		
	CLASS LOCATION / HCA	1		
ENVIRONMENTAL	CONSTRUCTION EXCLUSION			
	WETLAND / STREAM	W-D18-23 55 LF	S-D18-22 12 LF	



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIVA-H-650-16A	ACCESS ROAD ALIGNMENT SHEET



REVISIONS	
REV. NO.	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	
DESCRIPTION	QTY.
4800 LF 24" O.D. X 0.375 W.T. X-70 FBE	1

APPROVED FOR CONSTRUCTION	
REV. BY	DATE

APPROVED FOR BIDDING	
REV. BY	DATE

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 725+00 TO STA. 773+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-650-16**

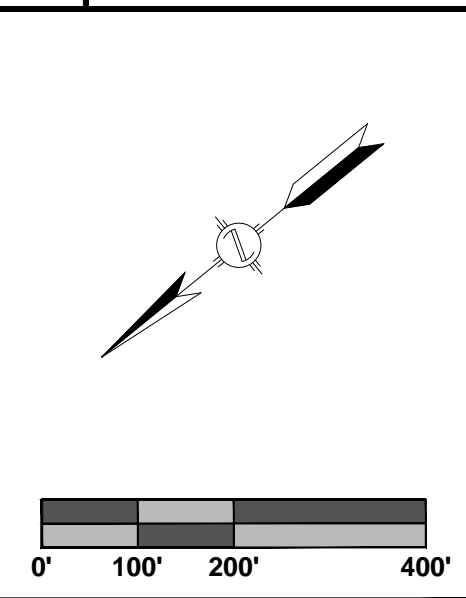
SHEET: 16 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:19:02 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
- DELINEATED STREAM
- DELINEATED WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- 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-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

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 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-035

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PI.O.NO.:

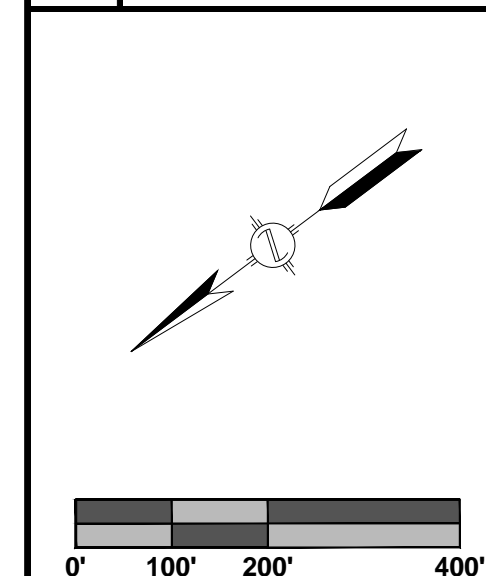
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-16A**

REV. P1

DATE OF PLOT: 3/27/2019 3:28:49 PM

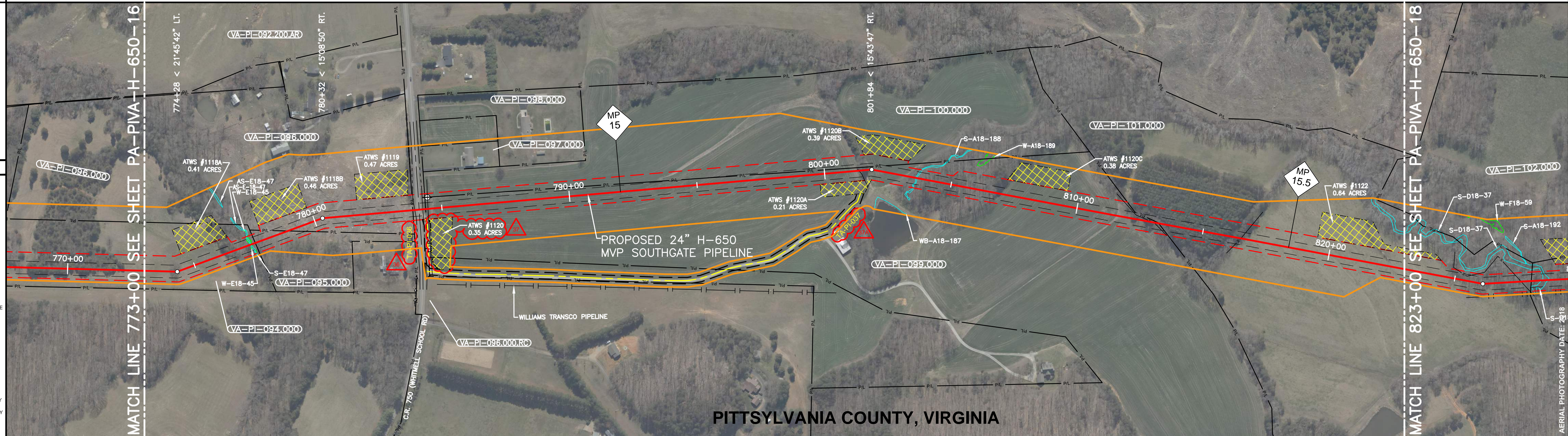
RIGHT-OF-WAY & OWNERSHIP DATA		773+00	773+00	777+53	778+88	783+86	784+36	813+24	823+100
PIPE / COATING				1			3		
SLOPE DISTANCE									
CLASS LOCATION / HCA							1		
CONSTRUCTION EXCLUSION								2	
WETLAND / STREAM			S-E18-47 3 LF	W-E18-45 3 LF				S-A18-188 5 LF	
VA-PI-094.000	453 LF								
VA-PI-095.000									
VA-PI-096.000	498 LF								
VA-PI-096.000.RC C.R. 750 (WHITMELL SCHOOL RD) 50 LF									
VA-PI-099.000	2888 LF								
VA-PI-101.000	976 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 RAILROAD
- DELINEATED STREAM
- DELINEATED 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
- MAN - 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

HORIZONTAL STATIONING

WORK SPACE

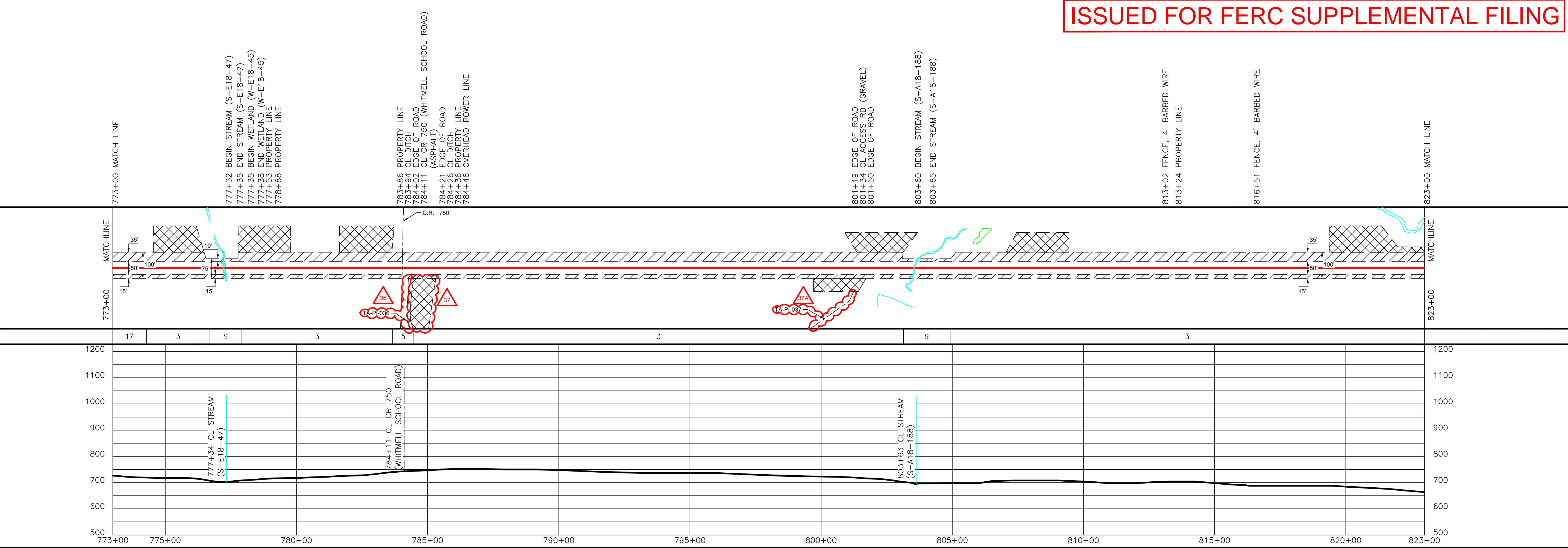
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

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	08/31/18	ISSUED FOR REVIEW
P2	TRC	09/20/18	FERC DRAWING CLIENT REVIEW
P3	TRC	11/02/18	ISSUED FOR FERC
P4	TRC	03/06/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

ITEM NO.	QTY.	DESCRIPTION
1	4571 LF	24" O.D. X 0.375" T. X 70' FIBER
2	359 LF	24" O.D. X 0.412" T. X 70' FIBER
3	109 LF	24" O.D. X 0.412" T. X 70' FIBER & POWERGRABER

AERIAL PHOTOGRAPHY DATE: 2/18

APPROVED FOR CONSTRUCTION

REV.	BY	DATE

APPROVED FOR BIDDING

REV.	BY	DATE

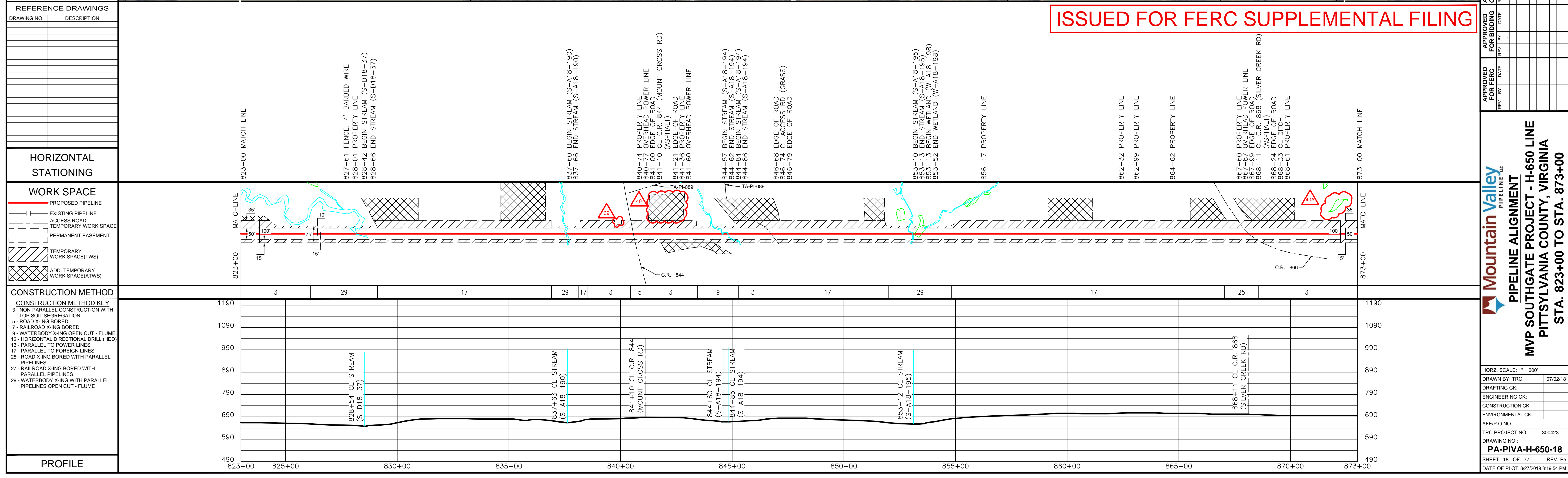
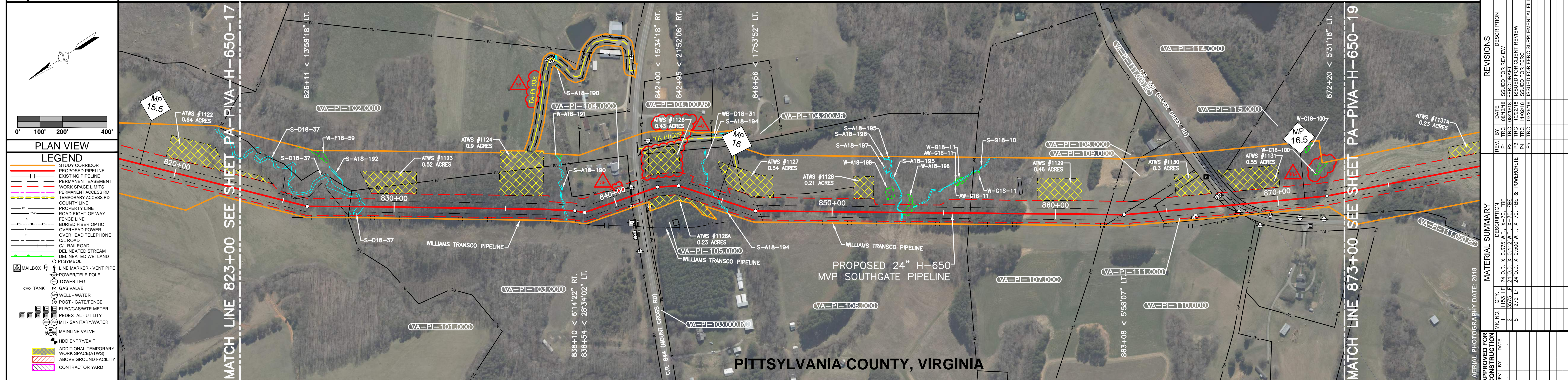
APPROVED FOR FERC

REV.	BY	DATE


Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
 MVP SOUTHGATE PROJECT - H-650 LINE
 PITTSYLVANIA COUNTY, VIRGINIA
 STA. 773+00 TO STA. 823+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-650-17	
SHEET: 17 OF 77	REV. P5
DATE OF PLOT: 3/27/2019 3:19:30 PM	

RIGHT-OF-WAY & OWNERSHIP DATA	823+00	823+100	VA-PI-101.000	828+01	VA-PI-103.000	840+74	VA-PI-103.000.RC	841+36	VA-PI-106.000	856+17	VA-PI-107.000	862+32	VA-PI-108.000	862+99	VA-PI-110.000	864+62	VA-PI-111.000	867+60	VA-PI-111.000.RC	868+61	VA-PI-115.000	873+00
PIPE / COATING			501 LF		1273 LF		62 LF		1481 LF		615 LF		67 LF		163 LF		298 LF		101 LF		439 LF	
DESIGN				1			5		2		1			2				5			2	
SLOPE DISTANCE																						
CLASS LOCATION / HCA				1			2				1			2								
ENVIRONMENTAL																						
CONSTRUCTION EXCLUSION																						
WETLAND / STREAM				S-D18-37 24 LF			S-A18-190 6 LF		S-A18-194 5 LF	S-A18-194 2 LF			S-A18-195 3 LF	W-A18-198 39 LF								



ISSUED FOR FERC SUPPLEMENTAL FILING



Results you can rely on

REVISIONS	
NO.	DESCRIPTION
1	ISSUED FOR REVIEW
2	ISSUED FOR PERMITS
3	ISSUED FOR PERMITS
4	ISSUED FOR PERMITS
5	ISSUED FOR PERMITS

MATERIAL SUMMARY	
ITEM NO.	DESCRIPTION
1	1153 LF 24" O.D. X 0.375" W.T. X-70 FIBER OPTIC
2	2400 LF 24" O.D. X 0.412" W.T. X-70 FIBER OPTIC
3	242 LF 24" O.D. X 0.500" W.T. X-70 FIBER OPTIC
4	1102 LB ISSUED FOR PERMITS
5	1102 LB ISSUED FOR PERMITS

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

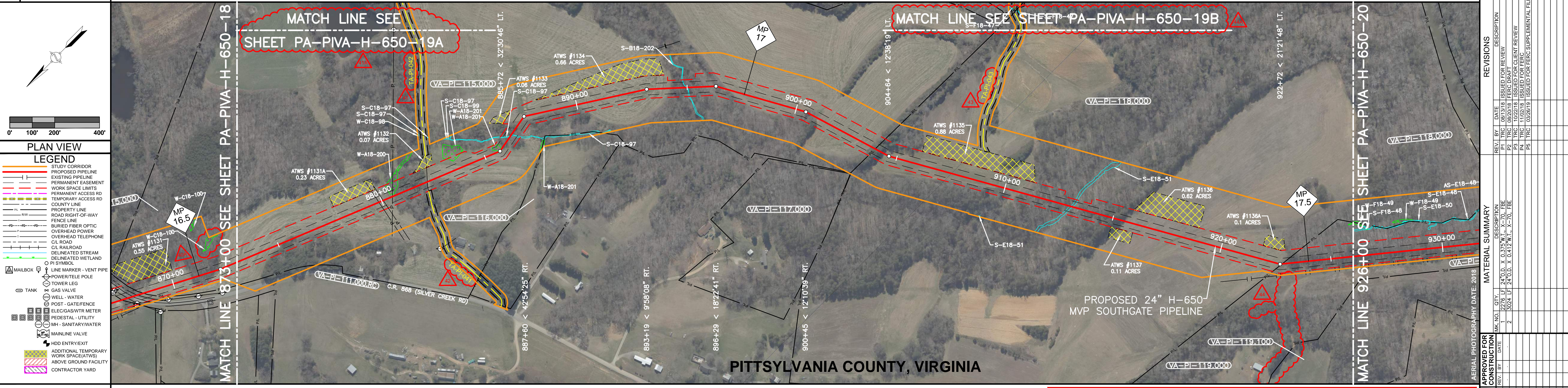
DRAWING NO.:

PA-PIVA-H-650-18

SHEET: 18 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:19:54 PM

DESIGN	PIPE / COATING	3095 LF			1886 LF			319 LF		
	SLOPE DISTANCE									
	CLASS LOCATION / HCA	2			1			2		
ENVIRONMENTAL	CONSTRUCTION EXCLUSION									
	WETLAND / STREAM	S-C18-97 6 LF			S-B18-202 3 LF			S-E18-51 12 LF		



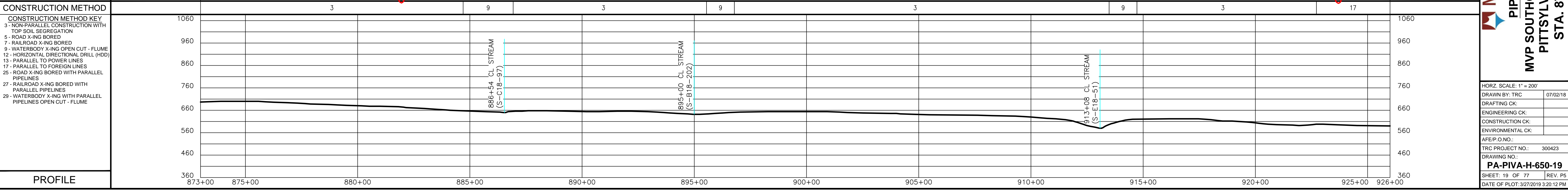
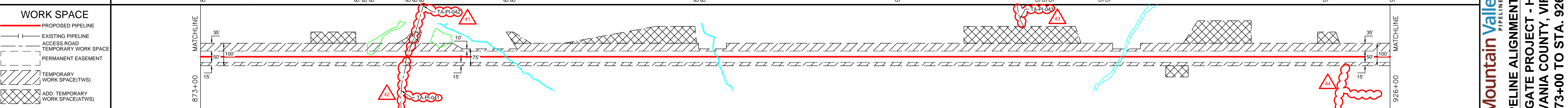
- PLAN VIEW**
- LEGEND**
- STUDY CORRIDOR
 - PROPOSED PIPELINE
 - EXISTING PIPELINE
 - PERMANENT EASEMENT
 - WORK SPACE LIMITS
 - PERMANENT ACCESS RD
 - TEMPORARY ACCESS RD
 - COUNTY LINE
 - PROPERTY LINE
 - ROAD RIGHT-OF-WAY
 - FENCE LINE
 - BURIED FIBER OPTIC
 - OVERHEAD POWER
 - OVERHEAD TELEPHONE
 - CL 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-H-650-19A	ACCESS ROAD ALIGNMENT SHEET
PA-PVA-H-650-19B	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING

873+00 MATCH LINE	879+86 OVERHEAD POWER LINE	882+15 EDGE OF ROAD	886+51 BEGIN STREAM (S-C18-97)	894+98 BEGIN STREAM (S-B18-202)	903+95 PROPERTY LINE	910+20 EDGE OF ROAD	913+02 BEGIN STREAM (S-E18-51)	922+81 PROPERTY LINE	926+00 MATCH LINE
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ISSUED FOR FERC SUPPLEMENTAL FILING



REVISIONS

REV. NO.	DATE	DESCRIPTION
1	08/03/18	ISSUED FOR REVIEW
2	08/20/18	FERC DRAWING CLIENT REVIEW
3	11/02/18	ISSUED FOR FERC
4	02/22/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.	DATE
22x26 LF 24" O.D. X 0.375" W.T. X-70, FBE	1	
3924 LF 24" O.D. X 0.412" W.T. X-70, FBE	2	

APPROVED FOR CONSTRUCTION

DATE	
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APPROVED FOR FERC

DATE	
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Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 873+00 TO STA. 926+00

PA-PVA-H-650-19

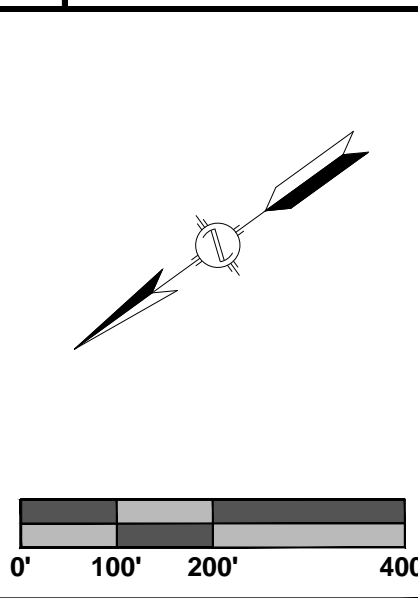
SHEET: 19 OF 77 REV. P5
DATE OF PLOT: 3/27/2019 3:20:12 PM

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-650-19

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

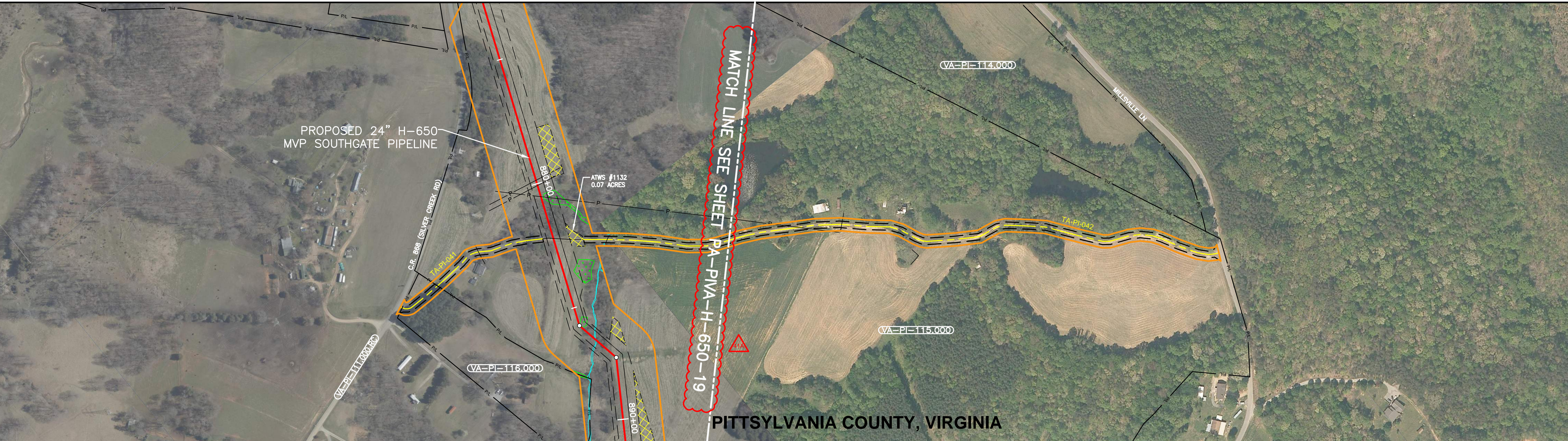
ENVIRONMENTAL



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
- CL 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-650-18	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
1	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-042

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-650-19A
REV. P1	

DATE OF PLOT: 3/27/2019 3:29:13 PM

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

0' 100' 200' 400'

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
- MANLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
PA-PIVA-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)

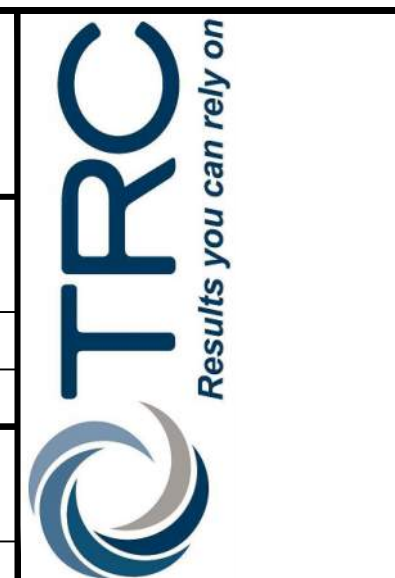
CONSTRUCTION METHOD

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
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- 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

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

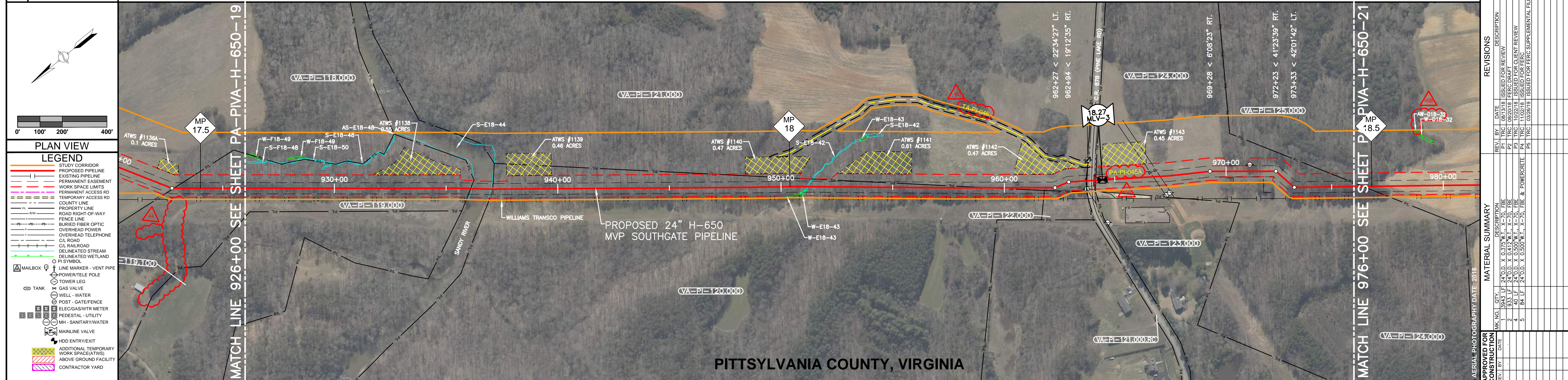
ACCESS ROAD TA-PI-043

HORZ. SCALE: 1" = 200'

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ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PO NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	PA-PIVA-H-650-19B
REV. P1	

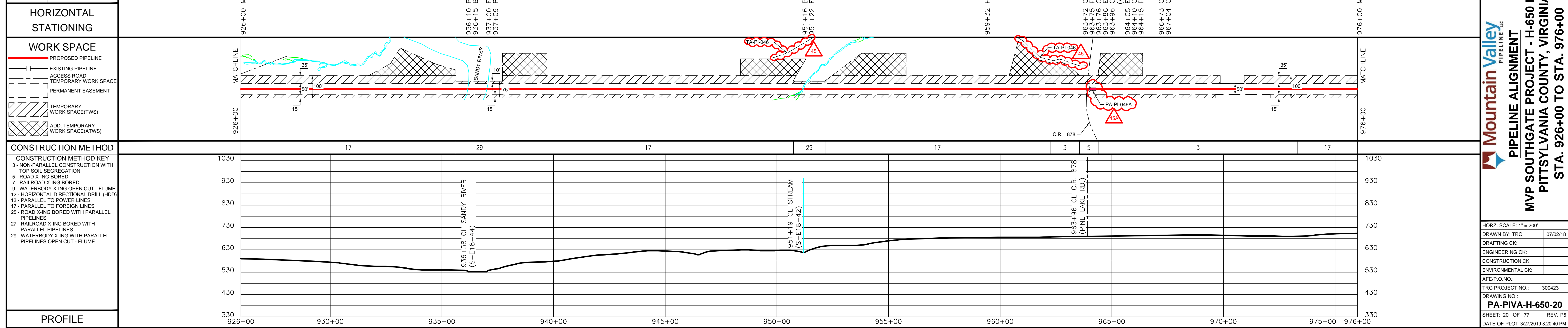
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DESIGN	RIGHT-OF-WAY & OWNERSHIP DATA	926+00	926+10	926+100	926+200	926+300	926+400	926+500	926+600	926+700	926+800	926+900	927+00	927+100	927+200	927+300	927+400	927+500	927+600	927+700	927+800	927+900	928+00		
	PIPE / COATING																								
SLOPE DISTANCE																									
CLASS LOCATION / HCA																									
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																								
	WETLAND / STREAM							S-E18-44 85 LF					S-E18-42 6 LF												



ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR FERC	APPROVED FOR BIDDING	APPROVED FOR CONSTRUCTION
REV. BY: [] DATE: []	REV. BY: [] DATE: []	REV. BY: [] DATE: []



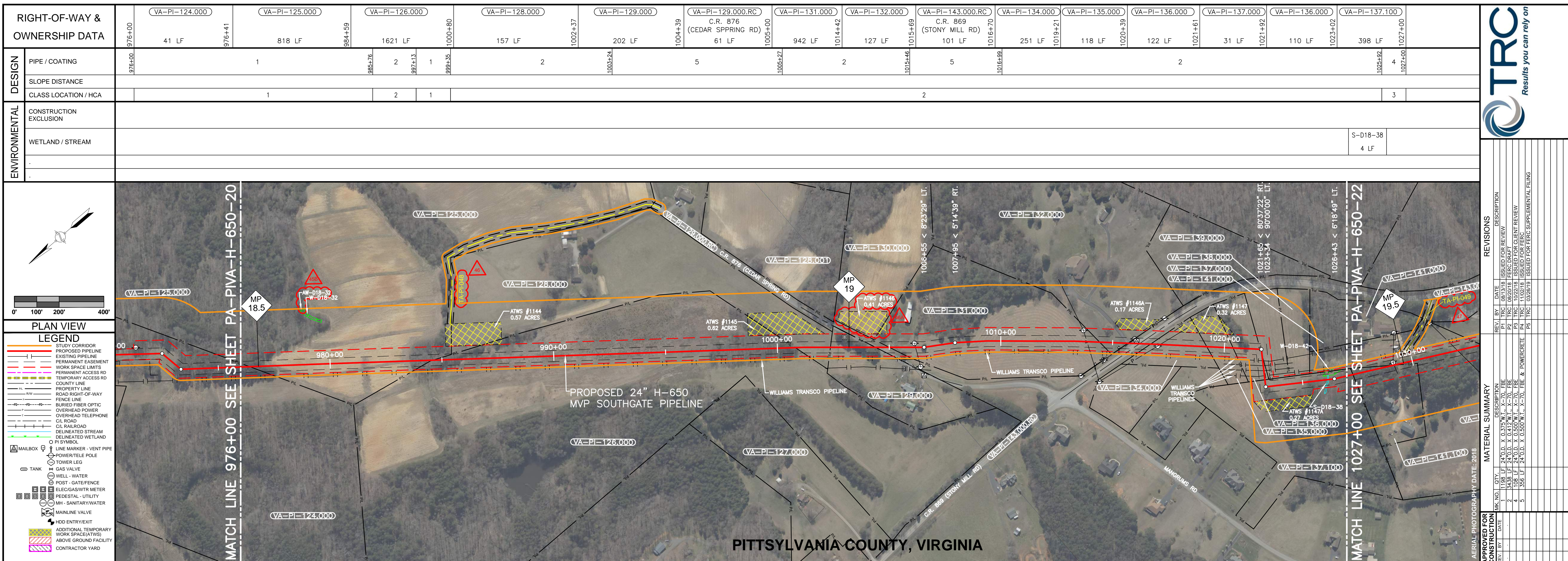
REV. NO.	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	09/20/18	FERC DRAFTER CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P4	11/02/18	ISSUED FOR FERC
P5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY	DESCRIPTION	QTY.	UNIT
1	1994.3 LF 24" O.D. X 0.375" WALL X-70 FBE	1994.3	LF
2	933 LF 24" O.D. X 0.412" WALL X-70 FBE	933	LF
3	84 LF 24" O.D. X 0.500" WALL X-70 FBE & POWERGRIDE	84	LF

APPROVED FOR CONSTRUCTION	APPROVED FOR BIDDING	APPROVED FOR FERC
REV. BY: [] DATE: []	REV. BY: [] DATE: []	REV. BY: [] DATE: []

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:
A/E/P/O NO.:
TRC PROJECT NO.: 300423
DRAWING NO.:
PA-PIVA-H-650-20
SHEET: 20 OF 77 REV. P5
DATE OF PLOT: 3/27/2019 3:20:40 PM



RIGHT-OF-WAY & OWNERSHIP DATA	
VA-PI-124.000	VA-PI-125.000
VA-PI-126.000	VA-PI-128.000
VA-PI-129.000	VA-PI-129.000.RC
VA-PI-131.000	VA-PI-132.000
VA-PI-143.000.RC	VA-PI-134.000
VA-PI-135.000	VA-PI-136.000
VA-PI-137.000	VA-PI-138.000
VA-PI-139.000	VA-PI-141.000
VA-PI-141.000	VA-PI-141.000

DESIGN	ENVIRONMENTAL
PIPE / COATING	CONSTRUCTION EXCLUSION
SLOPE DISTANCE	WETLAND / STREAM
CLASS LOCATION / HCA	

REVISIONS
REV. NO. DATE DESCRIPTION
1 08/13/18 ISSUED FOR REVIEW
2 08/20/18 FERC DRAFT CLIENT REVIEW
3 09/11/18 ISSUED FOR FERC
4 10/22/18 ISSUED FOR FERC
5 02/20/19 ISSUED FOR FERC SUPPLEMENTAL FILING

APPROVED FOR CONSTRUCTION
APPROVED FOR CONSTRUCTION DATE: 2018

APPROVED FOR BIDDING
APPROVED FOR BIDDING DATE: 2018

APPROVED FOR FERC
APPROVED FOR FERC DATE: 2018

REFERENCE DRAWINGS	
DRAWING NO. DESCRIPTION	

ISSUED FOR FERC SUPPLEMENTAL FILING

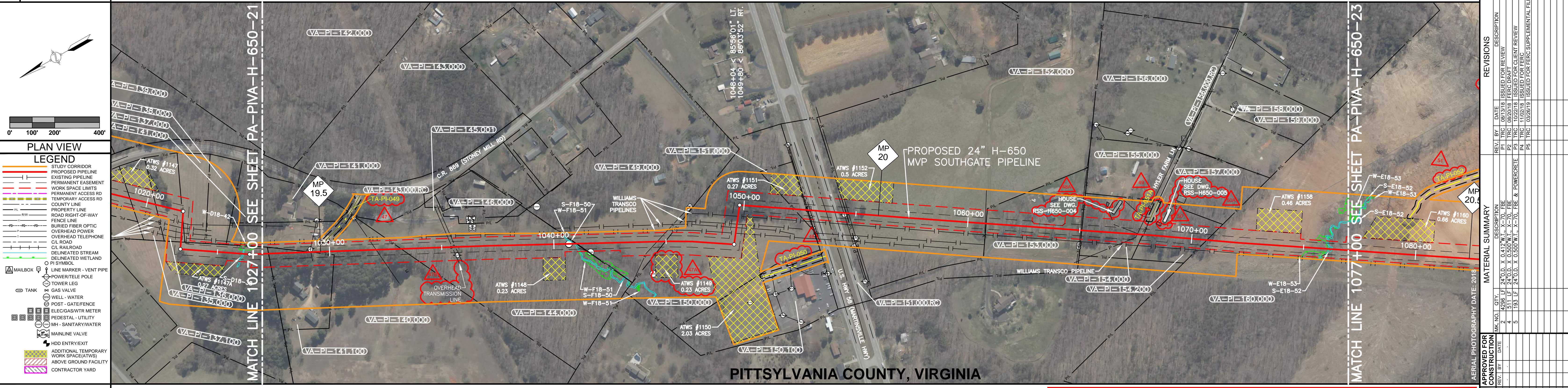
MATERIAL SUMMARY

WKS. NO.	QTY.	DESCRIPTION
1	1138 LF	24" O.D. X 0.375" W.T. X-70. FBE
2	3438 LF	24" O.D. X 0.412" W.T. X-70. FBE
3	356 LF	24" O.D. X 0.500" W.T. X-70. FBE & POWERGRATE
4	356 LF	24" O.D. X 0.500" W.T. X-70. FBE & POWERGRATE
5	356 LF	24" O.D. X 0.500" W.T. X-70. FBE & POWERGRATE

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 976+00 TO STA. 1027+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-650-21
 SHEET: 21 OF 77 REV. P5
 DATE OF PLOT: 3/27/2019 3:21:00 PM

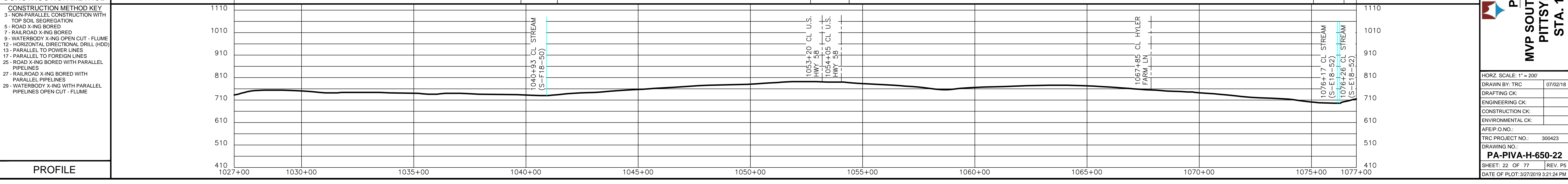
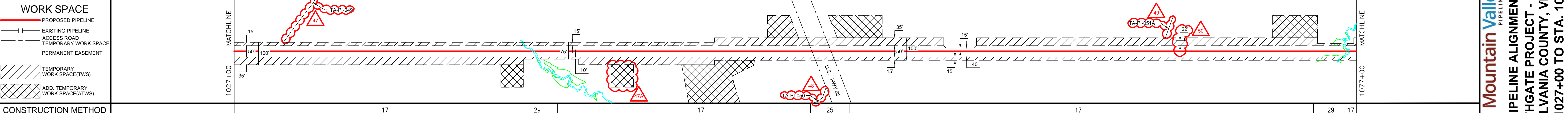
RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-137.100	VA-PI-141.100	VA-PI-140.000	VA-PI-144.000	VA-PI-149.000	VA-PI-150.000	VA-PI-151.000	VA-PI-151.000.RC U.S. HWY 58 (MARTINSVILLE HWY)	VA-PI-152.000	VA-PI-153.000	VA-PI-154.000	VA-PI-154.200	VA-PI-160.000
		28 LF	188 LF	403 LF	780 LF	398 LF	726 LF	61 LF	172 LF	626 LF	427 LF	273 LF	286 LF	632 LF
DESIGN	PIPE / COATING	4												
SLOPE DISTANCE		3												
CLASS LOCATION / HCA		2												
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												
		S-E18-52 4 LF												



PITTSYLVANIA COUNTY, VIRGINIA

ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS
<ul style="list-style-type: none"> 48A 50A RSS-H650-004 RESIDENTIAL SITE SPECIFIC RSS-H650-005 RESIDENTIAL SITE SPECIFIC
HORIZONTAL STATIONING
<ul style="list-style-type: none"> 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 1041+03 FENCE, 5' WIRE 1044+60 FENCE, 6' ELECTRIC 1044+97 PROPERTY LINE 1048+54 WILLIAMS TRANSCO PIPELINE 1048+59 WILLIAMS TRANSCO PIPELINE 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 RIVINGTON DRIVEWAY (DIRT) 1067+89 CL RIVINGTON DRIVEWAY (DIRT) 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 END WETLAND (W-E18-53) 1076+24 BEGIN WETLAND (W-E18-53) 1076+28 BEGIN STREAM (S-E18-52) 1076+28 END STREAM (S-E18-52) 1077+00 MATCH LINE



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

MATERIAL SUMMARY	
APPROVED FOR CONSTRUCTION	DESCRIPTION
1	24" D. X 0.412" W.T. X 70' FIBER OPTIC PIPE
2	4296 LF 24" D. X 0.500" W.T. X 70' FIBER OPTIC PIPE
3	183 LF 24" D. X 0.500" W.T. X 70' FIBER OPTIC PIPE
4	183 LF 24" D. X 0.500" W.T. X 70' FIBER OPTIC PIPE
5	183 LF 24" D. X 0.500" W.T. X 70' FIBER OPTIC PIPE

APPROVED FOR BIDDING	
REV. NO.	DESCRIPTION
1	ISSUED FOR BIDDING
2	ISSUED FOR BIDDING
3	ISSUED FOR BIDDING
4	ISSUED FOR BIDDING
5	ISSUED FOR BIDDING

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

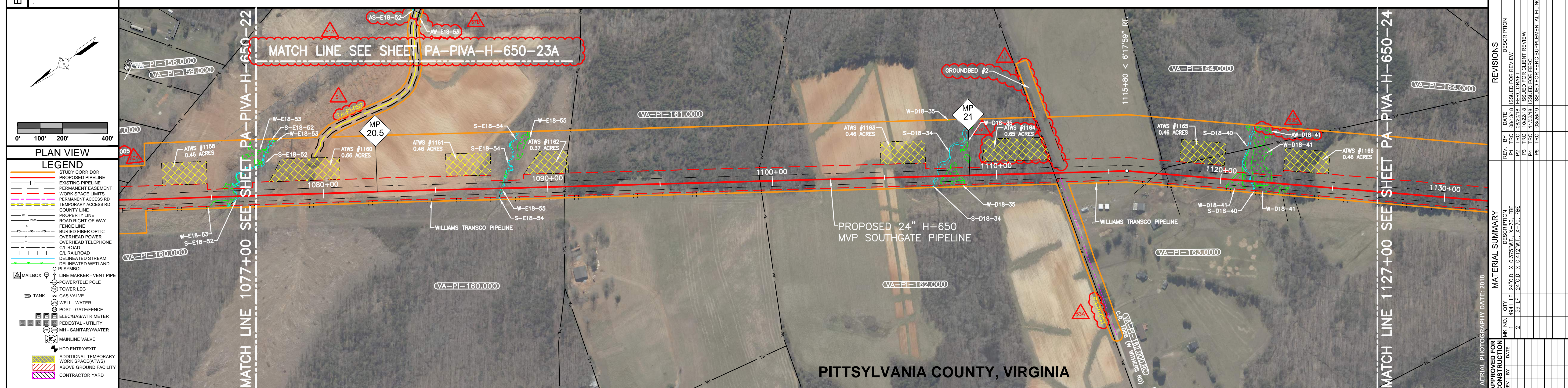
MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 1027+00 TO STA. 1077+00

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-650-22
 SHEET: 22 OF 77 REV. P5
 DATE OF PLOT: 3/27/2019 3:21:24 PM

RIGHT-OF-WAY & OWNERSHIP DATA	1077+00	1077+00	1090+74	1099+45	1112+55	1127+00
DESIGN	PIPE / COATING	2			1	
	SLOPE DISTANCE					
	CLASS LOCATION / HCA	2			1	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION					
	WETLAND / STREAM	S-E18-54	W-E18-55		S-D18-34	W-D18-35
		6 LF	3 LF		7 LF	54 LF
					54 LF	5 LF
						82 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
- 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-650-23A	ACCESS ROAD ALIGNMENT SHEET

HORIZONTAL STATIONING

1077+00 MATCH LINE

1087+91 BEGIN STREAM (S-E18-54)

1087+97 END STREAM (S-E18-54)

1088+00 END WETLAND (W-E18-55)

1090+74 PROPERTY LINE

1099+45 PROPERTY LINE

1107+32 BEGIN STREAM (S-D18-34)

1107+39 END STREAM (S-D18-34)

1107+78 BEGIN WETLAND (W-D18-35)

1108+52 END WETLAND (W-D18-35)

1112+55 PROPERTY LINE

1117+18 FENCE, 4' BARBED WIRE

1117+56 FENCE, 4' BARBED WIRE

1120+48 BEGIN WETLAND (W-D18-41)

1121+02 END WETLAND (W-D18-41)

1121+31 BEGIN STREAM (S-D18-40)

1121+36 END STREAM (S-D18-40)

1121+49 BEGIN WETLAND (W-D18-41)

1122+51 END WETLAND (W-D18-41)

1127+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

- 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

1077+00

1080+00

1085+00

1090+00

1095+00

1100+00

1105+00

1110+00

1115+00

1120+00

1125+00

1127+00

1090

990

890

790

690

590

490

390

ISSUED FOR FERC SUPPLEMENTAL FILING

TRC
Results you can rely on

REVISIONS

REV. BY	DATE	DESCRIPTION
P1	08/31/18	ISSUED FOR REVIEW
P2	09/20/18	FERC DRAFTER CLIENT REVIEW
P4	11/02/19	ISSUED FOR FERC
P5	03/20/20	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

REV. BY	DATE	DESCRIPTION
1	4/24/18	24" O.D. X 0.375" W.T. X-70, FBE
2	5/9/18	24" O.D. X 0.412" 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. 1077+00 TO STA. 1127+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P O.N.O.:

TRC PROJECT NO.: 300423

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

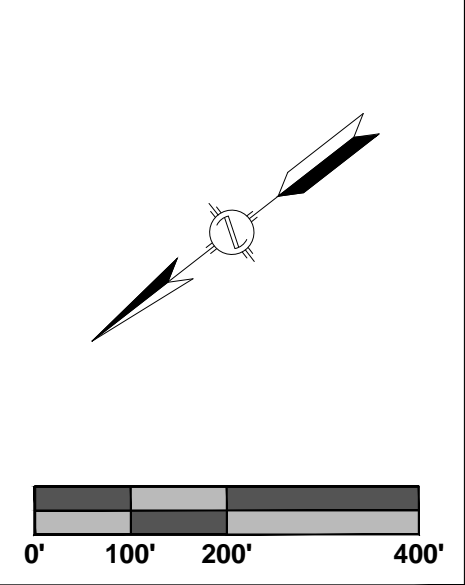
SHEET: 23 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:21:49 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN
PIPE / COATING
SLOPE DISTANCE
CLASS LOCATION / HCA

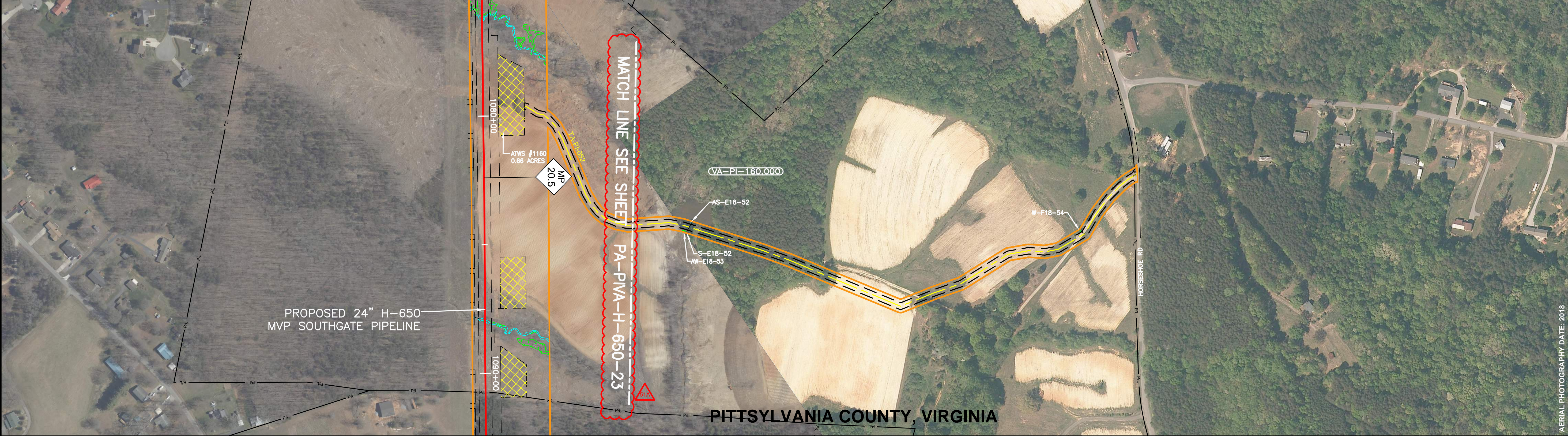
ENVIRONMENTAL
CONSTRUCTION EXCLUSION
WETLAND / STREAM



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
- DELINEATED STREAM
- DELINEATED WETLAND
- PI SYMBOL
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GAS VALVE
- WELL - WATER
- POST - GATE/FENCE
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- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- MAINLINE VALVE
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



PITTSYLVANIA COUNTY, VIRGINIA

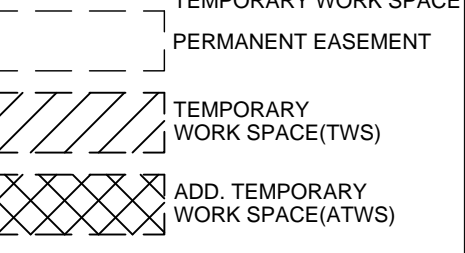
ISSUED FOR FERC SUPPLEMENTAL FILING

REFERENCE DRAWINGS

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

REVISIONS

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

MATERIAL SUMMARY

MAT. NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV.	BY	DATE	DESCRIPTION

APPROVED FOR FERC

REV.	BY	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
ACCESS ROAD TA-PI-052

APPROVED FOR FERC CONSTRUCTION

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK: _____

ENGINEERING CK: _____

CONSTRUCTION CK: _____

ENVIRONMENTAL CK: _____

A/E/P/O NO.: _____

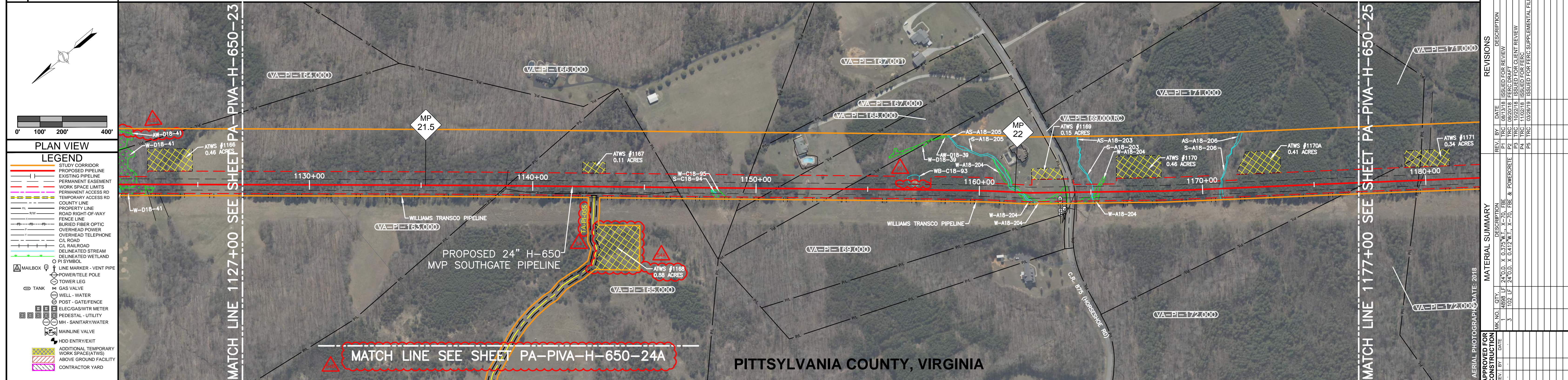
TRC PROJECT NO.: 300423

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

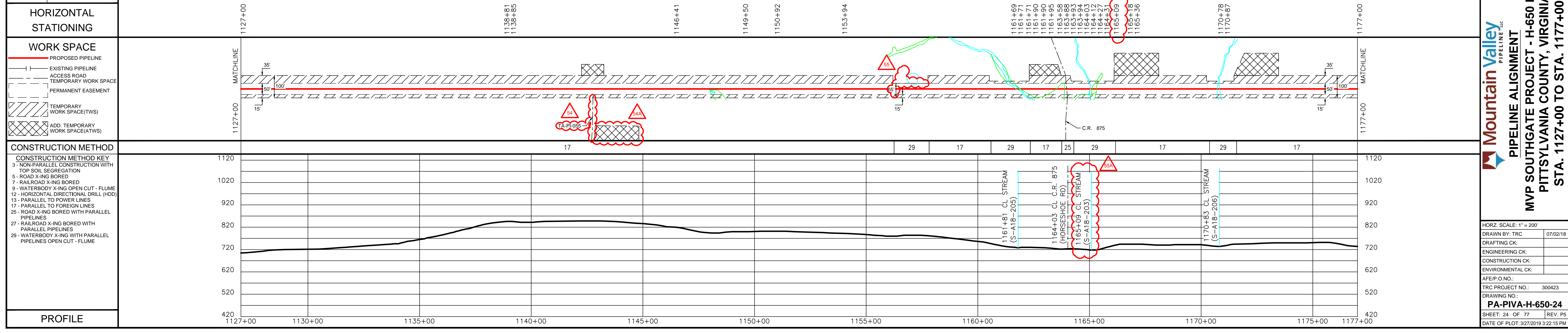
REV. P1

DATE OF PLOT: 3/27/2019 3:29:46 PM

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												
	CLASS LOCATION / HCA	1											
ENVIRONMENTAL	CONSTRUCTION EXCLUSION												
	WETLAND / STREAM						W-A18-204 2 LF	S-A18-205 19 LF	W-A18-204 5 LF	W-A18-204 35 LF	S-A18-203 <1 LF	W-A18-204 18 LF	S-A18-206 9 LF



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
	PA-PIVA-H-650-24A	ACCESS ROAD ALIGNMENT SHEET
<p style="text-align: center;">ISSUED FOR FERC SUPPLEMENTAL FILING</p>		
HORIZONTAL STATIONING	1127+00 MATCH LINE	1177+00 MATCH LINE
WORK SPACE	1127+00 MATCHLINE	1177+00 MATCHLINE
CONSTRUCTION METHOD	1120	1120
	1130+00	1130+00
	1135+00	1135+00
	1140+00	1140+00
	1145+00	1145+00
	1150+00	1150+00
	1155+00	1155+00
	1160+00	1160+00
	1165+00	1165+00
	1170+00	1170+00
	1175+00	1175+00
PROFILE	1127+00	1177+00



REVISIONS	
REV. NO.	DESCRIPTION
P1	ISSUED FOR REVIEW
P2	FERC DRAFTER CLIENT REVIEW
P3	ISSUED FOR FERC
P5	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY	
QTY.	DESCRIPTION
4895 LF	24" O.D. X 0.375" W.T. X-70 FBE
102 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

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

DRAWING NO.:

PA-PIVA-H-650-24

SHEET: 24 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:22:15 PM

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

ENVIRONMENTAL

PLAN VIEW

LEGEND

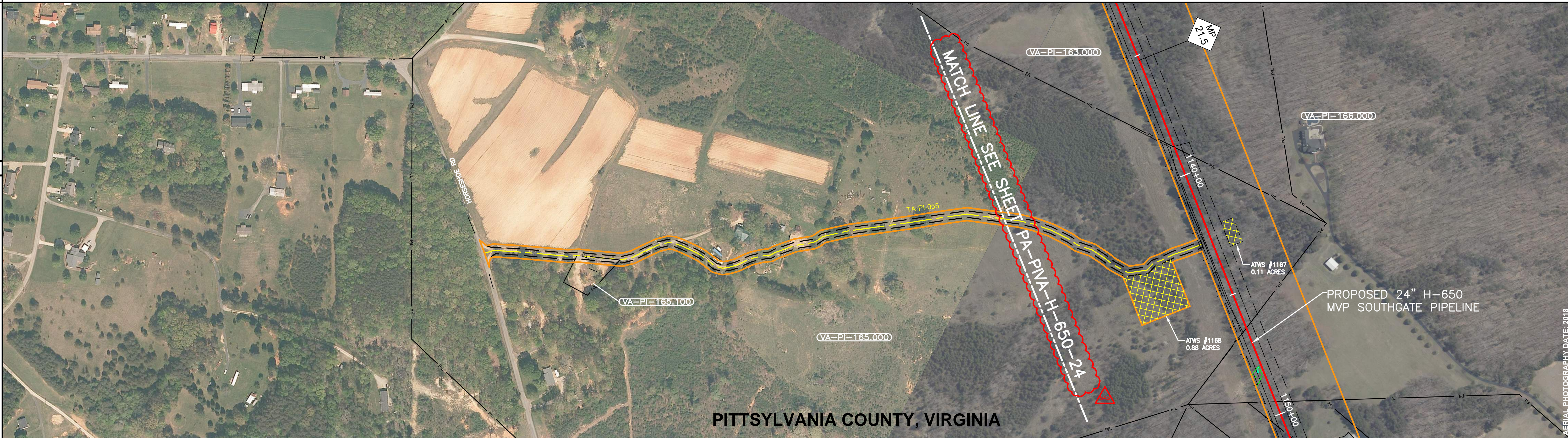
REFERENCE DRAWINGS

HORIZONTAL STATIONING

WORK SPACE

CONSTRUCTION METHOD

PROFILE



ISSUED FOR FERC SUPPLEMENTAL FILING

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

ENVIRONMENTAL

PLAN VIEW

LEGEND

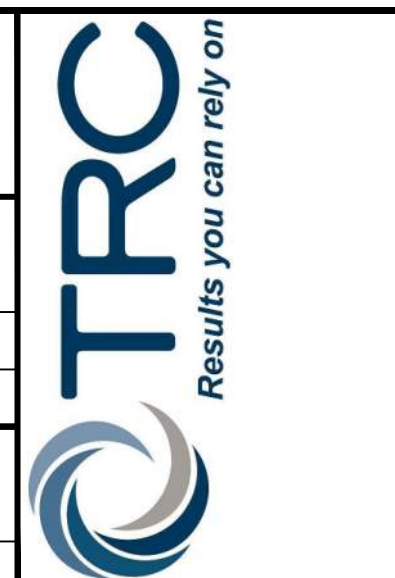
REFERENCE DRAWINGS

HORIZONTAL STATIONING

WORK SPACE

CONSTRUCTION METHOD

PROFILE



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

APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

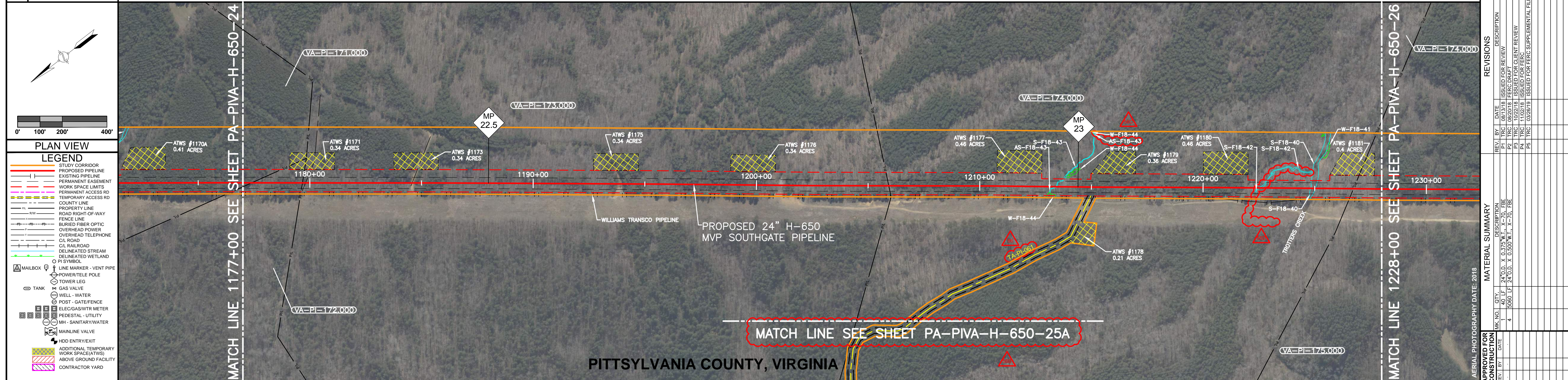
Mountain Valley PIPELINE LLC
ACCESS ROAD
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA

HORZ. SCALE: 1" = 200'

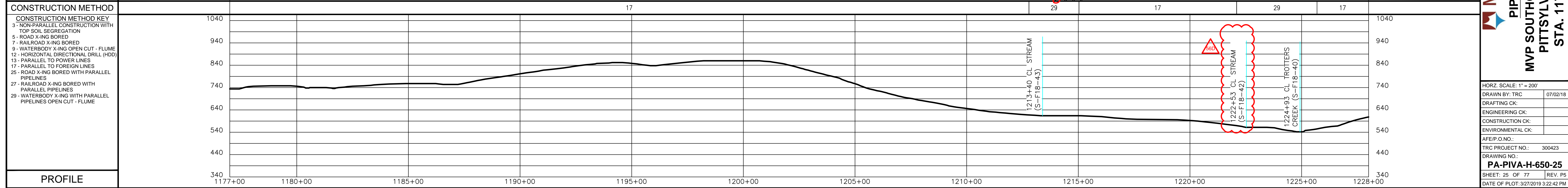
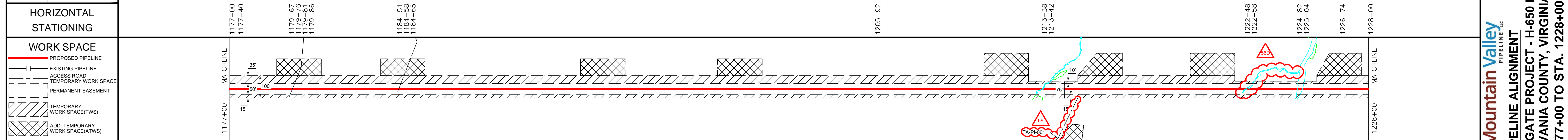
DRAWN BY:	TRC	07/02/18
DRAFTING CK:		
ENGINEERING CK:		
CONSTRUCTION CK:		
ENVIRONMENTAL CK:		
AFE/PO NO.:		
TRC PROJECT NO.:	300423	
DRAWING NO.:	PA-PIVA-H-650-24A	
REV. NO.:	P1	

DATE OF PLOT: 3/27/2019 3:30:02 PM

RIGHT-OF-WAY & OWNERSHIP DATA		1177+00	VA-PI-171.000	1177+40	VA-PI-172.000	1179+67	VA-PI-173.000	1205+92	VA-PI-174.000	1226+74	VA-PI-175.000	1228+00	
		40 LF		227 LF		2625 LF		2082 LF		126 LF			
DESIGN	PIPE / COATING	1	1177+40					4					
SLOPE DISTANCE													
CLASS LOCATION / HCA		1											
ENVIRONMENTAL	CONSTRUCTION EXCLUSION												
WETLAND / STREAM											S-F18-43	S-F18-42	S-F18-40
											4 LF	10 LF	22 LF



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



PROFILE



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	03/26/19	ISSUED FOR FERC SUPPLEMENTAL FILING

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

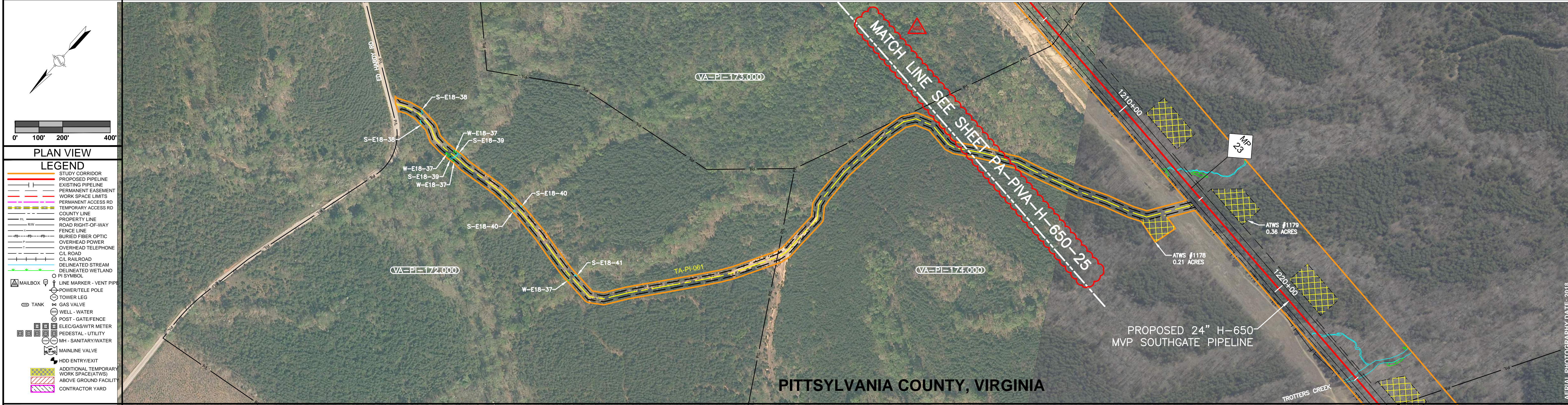
HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-PIVA-H-650-25
 SHEET: 25 OF 77 REV. P5
 DATE OF PLOT: 3/27/2019 3:22:42 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
- CL 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-650-25	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



REVISIONS	
REV. BY	DATE
P1 TRC	03/28/19

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-061

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O.NO.:

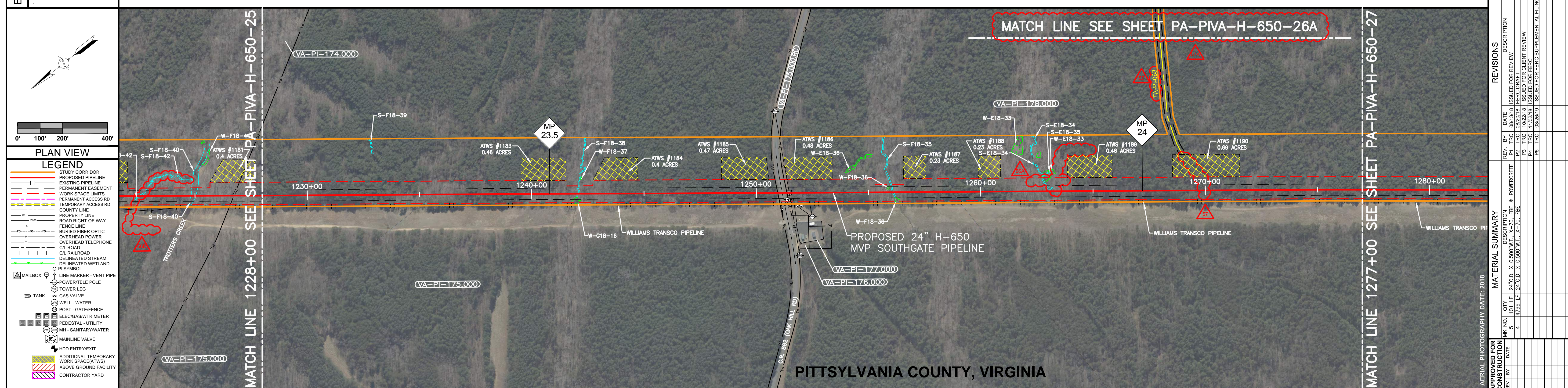
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-25A**

REV. P1

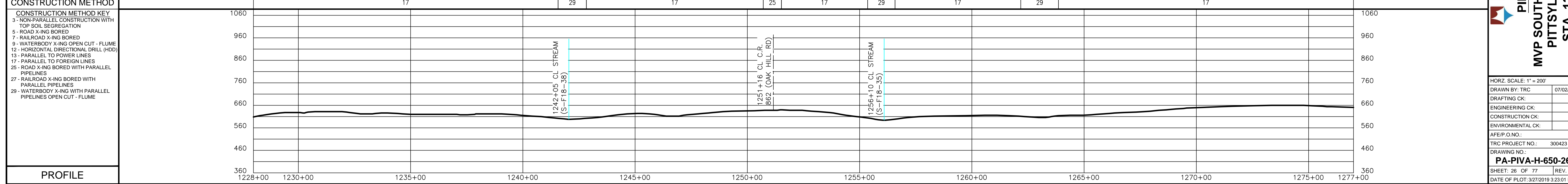
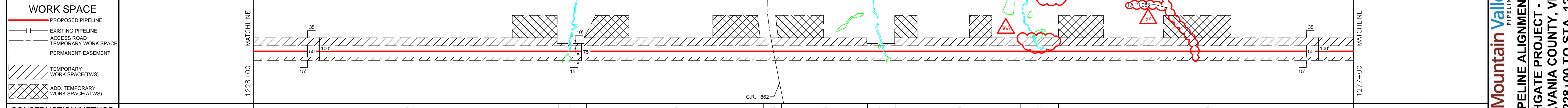
DATE OF PLOT: 3/27/2019 3:30:20 PM

RIGHT-OF-WAY & OWNERSHIP DATA	1228+00	1228+00	1250+96	1251+37	1277+00
DESIGN	PIPE / COATING		4	5	4
	SLOPE DISTANCE			1	
	CLASS LOCATION / HCA				
ENVIRONMENTAL	CONSTRUCTION EXCLUSION				
	WETLAND / STREAM		S-F18-38 4 LF	S-F18-35 7 LF	



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

ISSUED FOR FERC SUPPLEMENTAL FILING



TRC
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

MATERIAL SUMMARY	
DESCRIPTION	QTY.
24" O.D. X 0.500" W.T. X-70, FBE & POWERGRITE	101 LF
24" O.D. X 0.500" W.T. X-70, FBE	4799 LF

Mountain Valley
PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 1228+00 TO STA. 1277+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/P.O. NO.:

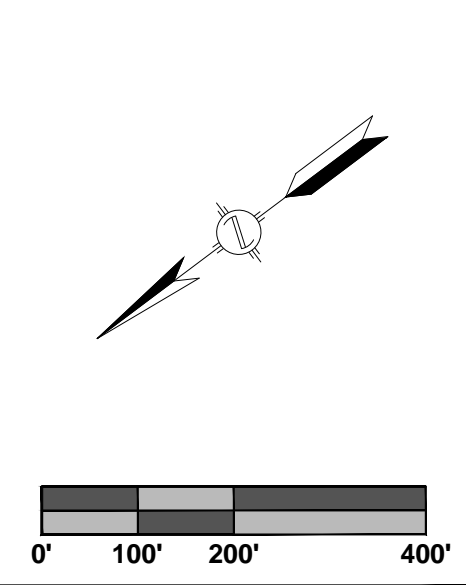
TRC PROJECT NO.: 300423

DRAWING NO.: PA-PIVA-H-650-26

SHEET: 26 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:23:01 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
- 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-650-26	ALIGNMENT SHEET

HORIZONTAL STATIONING

WORK SPACE

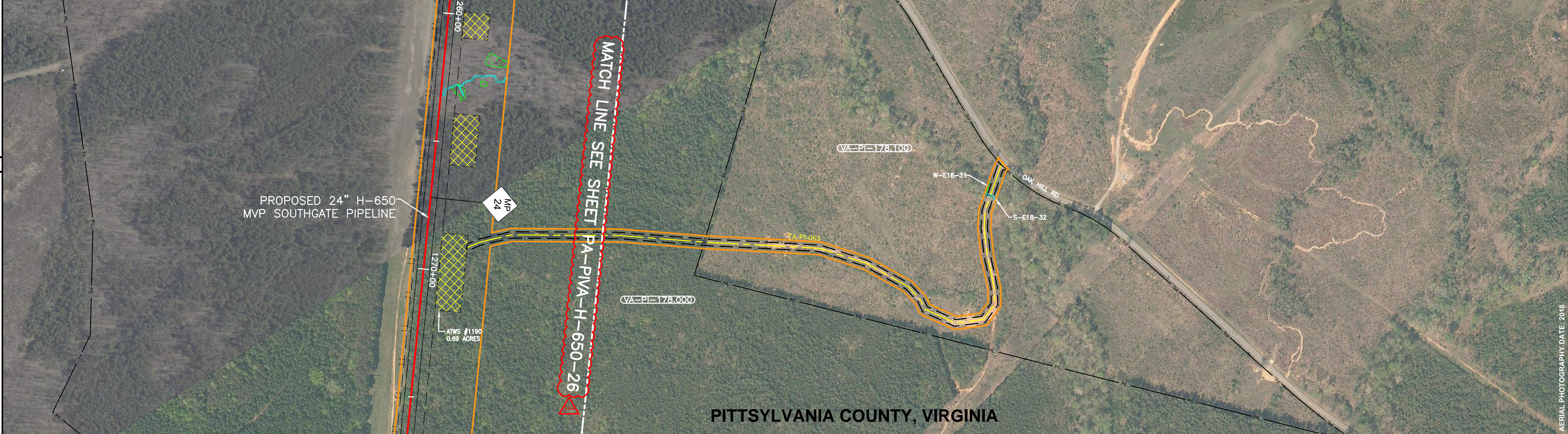
PROPOSED PIPELINE
EXISTING PIPELINE
ACCESS ROAD
TEMPORARY WORK SPACE
PERMANENT EASEMENT
TEMPORARY WORK SPACE(TWS)
ADD. TEMPORARY WORK SPACE(ATWS)

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	03/26/18	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

ITEM NO.	QTY.	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-063

APPROVED FOR FERC

REV. NO.	DATE	DESCRIPTION

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PI.O.NO.:

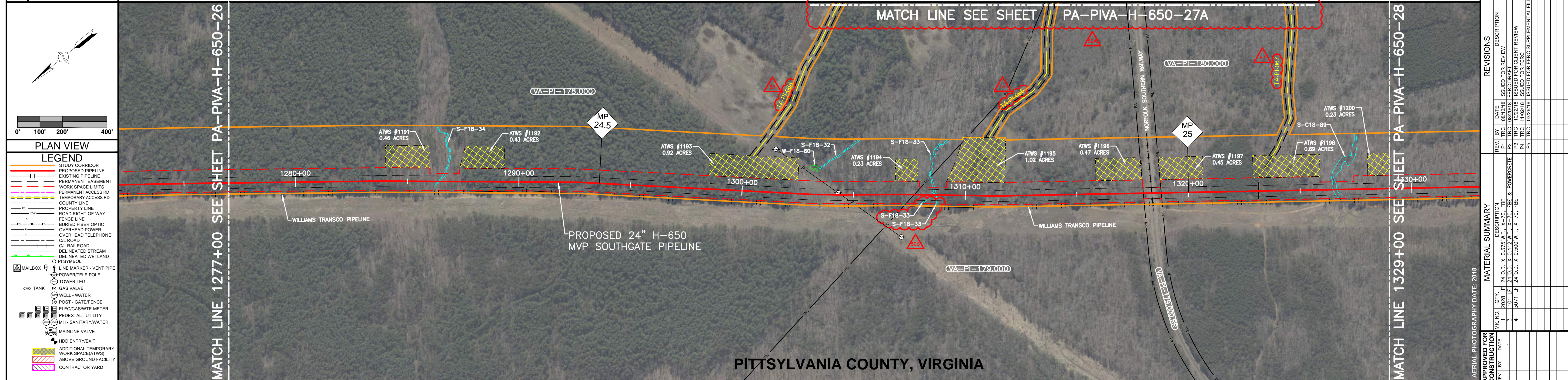
TRC PROJECT NO.: 300423

DRAWING NO.: PA-PIVA-H-650-26A

REV. P1

DATE OF PLOT: 3/27/2019 3:30:43 PM

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-178.000	3071 LF	VA-PI-179.000	1027 LF	VA-PI-179.000.RR NORFOLK SOUTHERN RAILWAY 80 LF	VA-PI-180.000	1022 LF	
DESIGN	PIPE / COATING		4		1			1	
	SLOPE DISTANCE								
	CLASS LOCATION / HCA			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



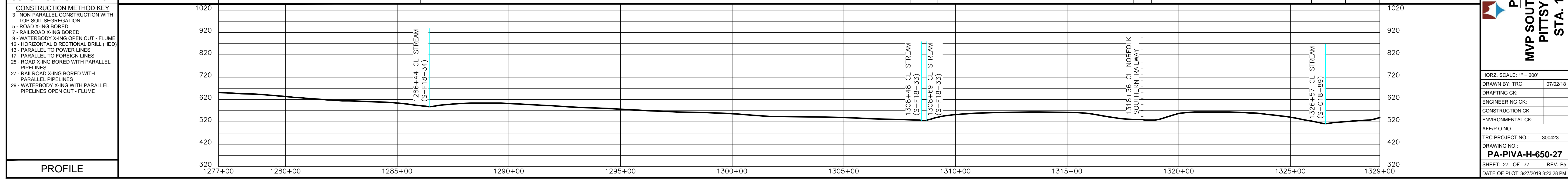
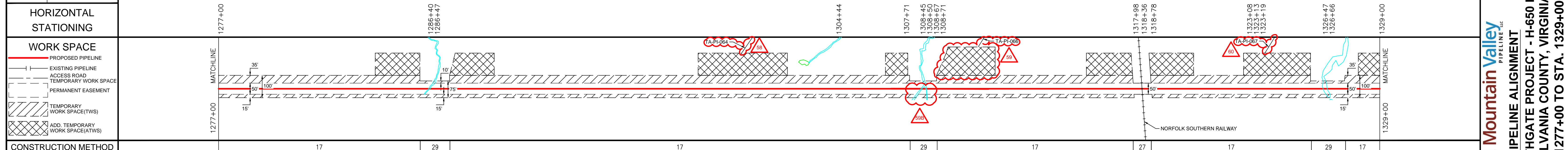
PLAN VIEW

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
- DELINEATED STREAM
- DELINEATED 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

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



TRC
Results you can rely on

REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFT CLIENT REVIEW
P3	11/02/18	ISSUED FOR FERC
P5	03/20/19	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

REV. NO.	DATE	DESCRIPTION
1	2028 LF	24" O.D. X 0.375" W.T. X-70, FBE
3	101 LF	24" O.D. X 0.412" W.T. X-70, FBE & POWERCOBITE
4	3071 LF	24" O.D. X 0.500" W.T. X-70, FBE

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. 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/P.O. NO.:

TRC PROJECT NO.: 300423

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

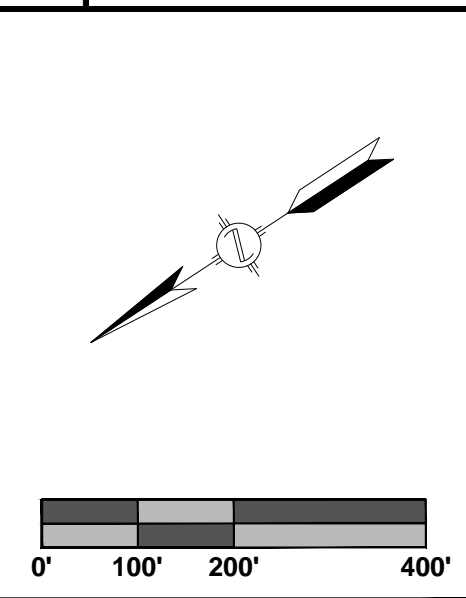
SHEET: 27 OF 77 REV. P5

DATE OF PLOT: 3/27/2019 3:23:28 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-650-27	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
- 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

ISSUED FOR FERC SUPPLEMENTAL FILING

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 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.:

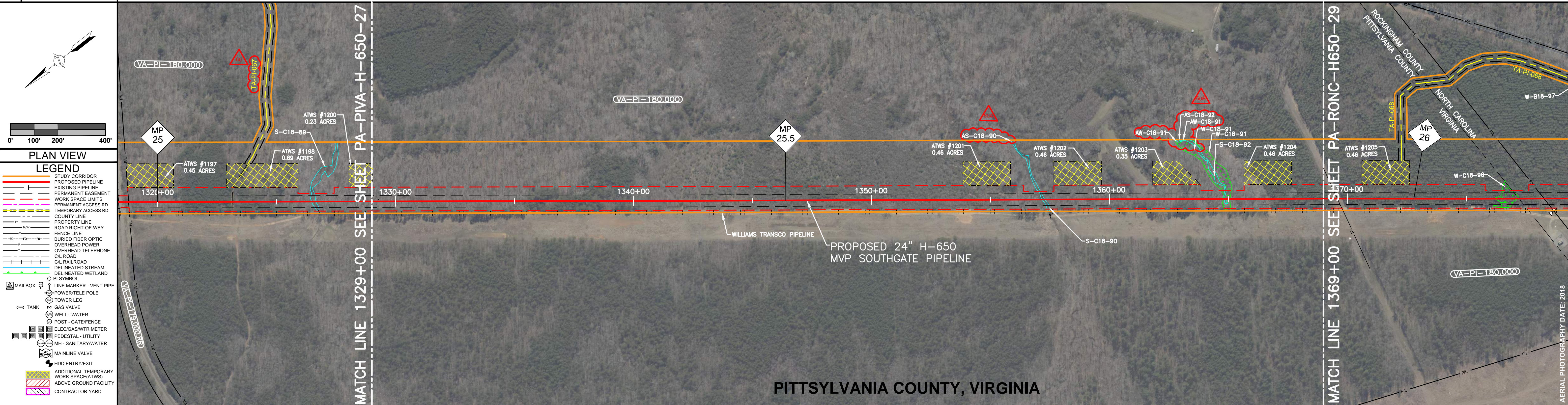
TRC PROJECT NO.: 300423

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

REV. P1

DATE OF PLOT: 3/27/2019 3:31:21 PM

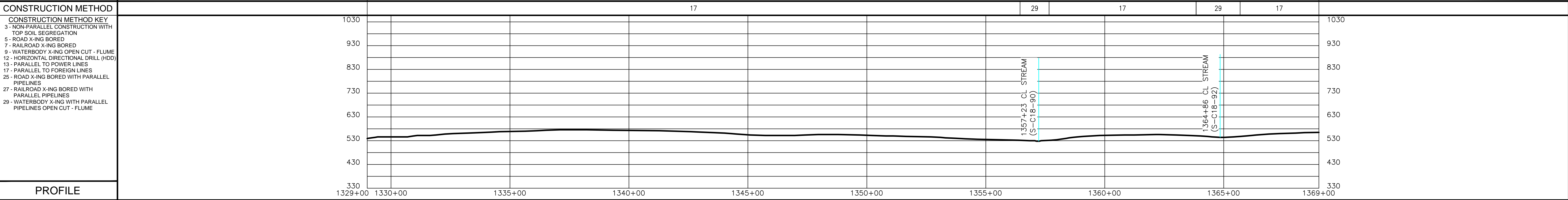
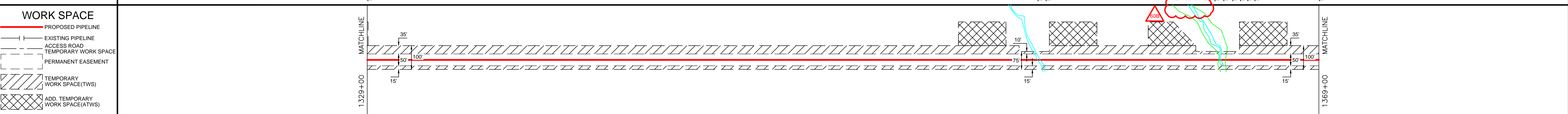
RIGHT-OF-WAY & OWNERSHIP DATA		(VA-PI-180.000)						
DESIGN	PIPE / COATING	1	4000 LF					
ENVIRONMENTAL	SLOPE DISTANCE							
	CLASS LOCATION / HCA		1					
	CONSTRUCTION EXCLUSION							
	WETLAND / STREAM							
					S-C18-90	W-C18-91	S-C18-92	W-C18-91
					11 LF	3 LF	7 LF	18 LF



REFERENCE DRAWINGS	
DRAWING NO.	DESCRIPTION

ISSUED FOR FERC SUPPLEMENTAL FILING

HORIZONTAL STATIONING	
WORK SPACE	
PROPOSED PIPELINE	
EXISTING PIPELINE	
ACCESS ROAD	
TEMPORARY WORK SPACE	
PERMANENT EASEMENT	
TEMPORARY WORK SPACE (TWS)	
ADD. TEMPORARY WORK SPACE (ATTWS)	



TRC
Results you can rely on

Mountain Valley PIPELINE, LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 1329+00 TO STA. 1369+00

REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/31/19	ISSUED FOR REVIEW
P2	09/20/19	FERC DRAFTER CLIENT REVIEW
P4	11/02/19	ISSUED FOR FERC
P5	03/20/20	ISSUED FOR FERC SUPPLEMENTAL FILING

MATERIAL SUMMARY

DESCRIPTION	QTY.
4000 LF 24" O.D. X 0.375" W.T. X-70, FBE	1

APPROVED FOR CONSTRUCTION

APPROVED FOR BIDDING

APPROVED FOR FERC

DATE OF PLOT: 3/27/2019 3:23:55 PM

DRAWN BY: TRC
DRAFTING CK:
ENGINEERING CK:
CONSTRUCTION CK:
ENVIRONMENTAL CK:

AFE/P.O. NO.:
TRC PROJECT NO.: 300423
DRAWING NO.: PA-PVA-H-650-28
SHEET: 28 OF 77
REV. P5