



24" MVP Southgate Project H-650 Line

REV	BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

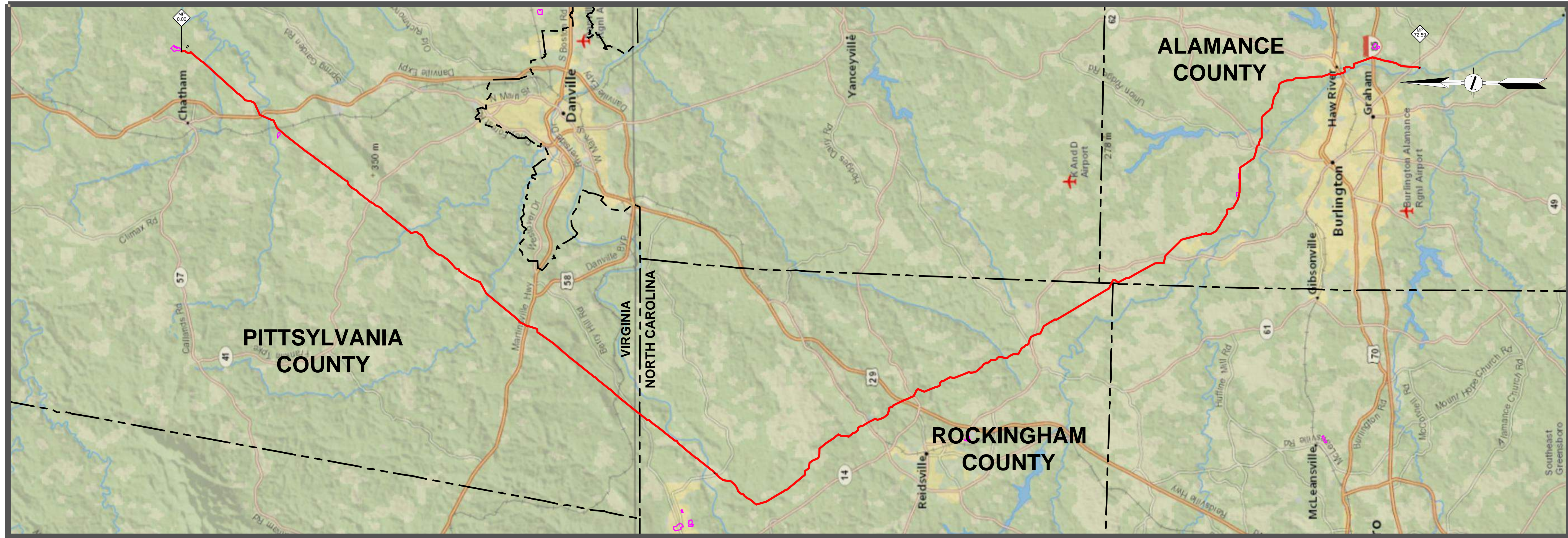
APPROVED FOR BIDDING	DATE	REV	BY	DATE

APPROVED FOR CONSTRUCTION	DATE	REV	BY	DATE

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

HORIZ. SCALE:	NONE
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-GEN-H-650-01	
SHEET:	1 OF 2
REV:	P2
DATE OF PLOT: 8/18/2018 5:49:48 PM	

FERC DRAFT



24" MVP Southgate Project H-650 Line

DRAWING INDEX

PA-GEN-H-650-01	COVER/NOTE SHEET
PA-GEN-H-650-02	INDEX SHEET
ALIGNMENT SHEETS	
PA-PIVA-H-650-01	PIPELINE ALIGNMENT, STA. 0+00 TO STA. 50+00
PA-PIVA-H-650-02	PIPELINE ALIGNMENT, STA. 50+00 TO STA. 100+00
PA-PIVA-H-650-03	PIPELINE ALIGNMENT, STA. 100+00 TO STA. 150+00
PA-PIVA-H-650-04	PIPELINE ALIGNMENT, STA. 150+00 TO STA. 196+00
PA-PIVA-H-650-05	PIPELINE ALIGNMENT, STA. 196+00 TO STA. 246+00
PA-PIVA-H-650-06	PIPELINE ALIGNMENT, STA. 246+00 TO STA. 293+00
PA-PIVA-H-650-07	PIPELINE ALIGNMENT, STA. 293+00 TO STA. 343+00
PA-PIVA-H-650-08	PIPELINE ALIGNMENT, STA. 343+00 TO STA. 393+00
PA-PIVA-H-650-09	PIPELINE ALIGNMENT, STA. 393+00 TO STA. 440+00
PA-PIVA-H-650-10	PIPELINE ALIGNMENT, STA. 440+00 TO STA. 488+00
PA-PIVA-H-650-11	PIPELINE ALIGNMENT, STA. 488+00 TO STA. 539+00
PA-PIVA-H-650-12	PIPELINE ALIGNMENT, STA. 539+00 TO STA. 589+00
PA-PIVA-H-650-13	PIPELINE ALIGNMENT, STA. 589+00 TO STA. 641+00
PA-PIVA-H-650-14	PIPELINE ALIGNMENT, STA. 641+00 TO STA. 691+00
PA-PIVA-H-650-15	PIPELINE ALIGNMENT, STA. 691+00 TO STA. 731+00
PA-PIVA-H-650-16	PIPELINE ALIGNMENT, STA. 731+00 TO STA. 779+00
PA-PIVA-H-650-17	PIPELINE ALIGNMENT, STA. 779+00 TO STA. 829+00
PA-PIVA-H-650-18	PIPELINE ALIGNMENT, STA. 829+00 TO STA. 880+00
PA-PIVA-H-650-19	PIPELINE ALIGNMENT, STA. 880+00 TO STA. 932+00
PA-PIVA-H-650-20	PIPELINE ALIGNMENT, STA. 932+00 TO STA. 982+00
PA-PIVA-H-650-21	PIPELINE ALIGNMENT, STA. 982+00 TO STA. 1032+00
PA-PIVA-H-650-22	PIPELINE ALIGNMENT, STA. 1032+00 TO STA. 1083+00
PA-PIVA-H-650-23	PIPELINE ALIGNMENT, STA. 1083+00 TO STA. 1134+00
PA-PIVA-H-650-24	PIPELINE ALIGNMENT, STA. 1134+00 TO STA. 1184+00
PA-PIVA-H-650-25	PIPELINE ALIGNMENT, STA. 1184+00 TO STA. 1234+00
PA-PIVA-H-650-26	PIPELINE ALIGNMENT, STA. 1234+00 TO STA. 1285+00
PA-PIVA-H-650-27	PIPELINE ALIGNMENT, STA. 1285+00 TO STA. 1336+00
PA-PIVA-H-650-28	PIPELINE ALIGNMENT, STA. 1336+00 TO STA. 1378+00
PA-RONC-H-650-01	PIPELINE ALIGNMENT, STA. 1378+00 TO STA. 1426+00
PA-RONC-H-650-02	PIPELINE ALIGNMENT, STA. 1426+00 TO STA. 1476+00
PA-RONC-H-650-03	PIPELINE ALIGNMENT, STA. 1476+00 TO STA. 1525+00
PA-RONC-H-650-04	PIPELINE ALIGNMENT, STA. 1525+00 TO STA. 1576+00
PA-RONC-H-650-05	PIPELINE ALIGNMENT, STA. 1576+00 TO STA. 1627+00
PA-RONC-H-650-06	PIPELINE ALIGNMENT, STA. 1627+00 TO STA. 1680+00
PA-RONC-H-650-07	PIPELINE ALIGNMENT, STA. 1680+00 TO STA. 1733+00
PA-RONC-H-650-08	PIPELINE ALIGNMENT, STA. 1733+00 TO STA. 1785+00
PA-RONC-H-650-09	PIPELINE ALIGNMENT, STA. 1785+00 TO STA. 1837+00

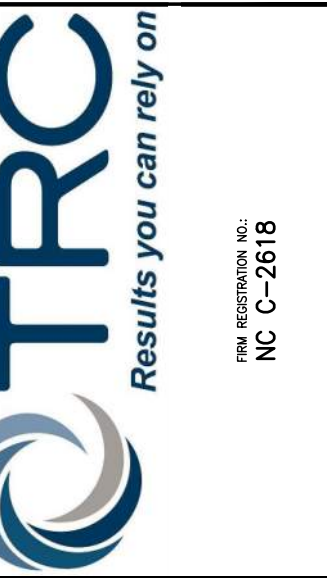
PA-RONC-H-650-10	PIPELINE ALIGNMENT, STA. 1837+00 TO STA. 1889+00
PA-RONC-H-650-11	PIPELINE ALIGNMENT, STA. 1889+00 TO STA. 1941+00
PA-RONC-H-650-12	PIPELINE ALIGNMENT, STA. 1941+00 TO STA. 1993+00
PA-RONC-H-650-13	PIPELINE ALIGNMENT, STA. 1993+00 TO STA. 2040+00
PA-RONC-H-650-14	PIPELINE ALIGNMENT, STA. 2040+00 TO STA. 2091+00
PA-RONC-H-650-15	PIPELINE ALIGNMENT, STA. 2091+00 TO STA. 2139+00
PA-RONC-H-650-16	PIPELINE ALIGNMENT, STA. 2139+00 TO STA. 2187+00
PA-RONC-H-650-17	PIPELINE ALIGNMENT, STA. 2187+00 TO STA. 2237+00
PA-RONC-H-650-18	PIPELINE ALIGNMENT, STA. 2237+00 TO STA. 2285+00
PA-RONC-H-650-19	PIPELINE ALIGNMENT, STA. 2285+00 TO STA. 2323+00
PA-RONC-H-650-20	PIPELINE ALIGNMENT, STA. 2323+00 TO STA. 2372+00
PA-RONC-H-650-21	PIPELINE ALIGNMENT, STA. 2372+00 TO STA. 2424+00
PA-RONC-H-650-22	PIPELINE ALIGNMENT, STA. 2424+00 TO STA. 2476+00
PA-RONC-H-650-23	PIPELINE ALIGNMENT, STA. 2476+00 TO STA. 2527+00
PA-RONC-H-650-24	PIPELINE ALIGNMENT, STA. 2527+00 TO STA. 2579+00
PA-RONC-H-650-25	PIPELINE ALIGNMENT, STA. 2579+00 TO STA. 2629+00
PA-RONC-H-650-26	PIPELINE ALIGNMENT, STA. 2629+00 TO STA. 2681+00
PA-RONC-H-650-27	PIPELINE ALIGNMENT, STA. 2681+00 TO STA. 2732+00
PA-RONC-H-650-28	PIPELINE ALIGNMENT, STA. 2732+00 TO STA. 2783+00
PA-ALNC-H-650-01	PIPELINE ALIGNMENT, STA. 2783+00 TO STA. 2834+00
PA-ALNC-H-650-02	PIPELINE ALIGNMENT, STA. 2834+00 TO STA. 2885+00
PA-ALNC-H-650-03	PIPELINE ALIGNMENT, STA. 2885+00 TO STA. 2927+00
PA-ALNC-H-650-04	PIPELINE ALIGNMENT, STA. 2927+00 TO STA. 2974+00
PA-ALNC-H-650-05	PIPELINE ALIGNMENT, STA. 2974+00 TO STA. 3024+00
PA-ALNC-H-650-06	PIPELINE ALIGNMENT, STA. 3024+00 TO STA. 3075+00
PA-ALNC-H-650-07	PIPELINE ALIGNMENT, STA. 3075+00 TO STA. 3126+00
PA-ALNC-H-650-08	PIPELINE ALIGNMENT, STA. 3126+00 TO STA. 3177+00
PA-ALNC-H-650-09	PIPELINE ALIGNMENT, STA. 3177+00 TO STA. 3231+00
PA-ALNC-H-650-10	PIPELINE ALIGNMENT, STA. 3231+00 TO STA. 3282+00
PA-ALNC-H-650-11	PIPELINE ALIGNMENT, STA. 3282+00 TO STA. 3335+00
PA-ALNC-H-650-12	PIPELINE ALIGNMENT, STA. 3335+00 TO STA. 3386+00
PA-ALNC-H-650-13	PIPELINE ALIGNMENT, STA. 3386+00 TO STA. 3439+00
PA-ALNC-H-650-14	PIPELINE ALIGNMENT, STA. 3439+00 TO STA. 3480+00
PA-ALNC-H-650-15	PIPELINE ALIGNMENT, STA. 3480+00 TO STA. 3533+00
PA-ALNC-H-650-16	PIPELINE ALIGNMENT, STA. 3533+00 TO STA. 3586+00
PA-ALNC-H-650-17	PIPELINE ALIGNMENT, STA. 3586+00 TO STA. 3642+00
PA-ALNC-H-650-18	PIPELINE ALIGNMENT, STA. 3642+00 TO STA. 3695+00
PA-ALNC-H-650-19	PIPELINE ALIGNMENT, STA. 3695+00 TO STA. 3740+00
PA-ALNC-H-650-20	PIPELINE ALIGNMENT, STA. 3740+00 TO STA. 3794+00
PA-ALNC-H-650-21	PIPELINE ALIGNMENT, STA. 3794+00 TO STA. 3832+71

QUAD SHEETS

PA-PIVA-H650-USGS-01	PA-PIVA-H650-USGS-02	PA-PIVA-H650-USGS-03	PA-PIVA-H650-USGS-04	PA-PIVA-H650-USGS-05	PA-PIVA-H650-USGS-06	PA-RONC-H650-USGS-07	PA-RONC-H650-USGS-08	PA-RONC-H650-USGS-09	PA-RONC-H650-USGS-10	PA-ALNC-H650-USGS-11	PA-ALNC-H650-USGS-12	PA-ALNC-H650-USGS-13	PA-ALNC-H650-USGS-14	PA-ALNC-H650-USGS-15
----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------	----------------------

ADDENDUM DRAWINGS

ADDENDUM - 1	PROPOSED ROUTE ADJUSTMENT FOR LAMBERT COMPRESSOR STATION
ADDENDUM - 2	PRELIMINARY LAYOUT FOR RUSSEL COMPRESSOR STATION PIPELINES



REVISIONS

REV. BY	DATE	DESCRIPTION
P1	TRC 08/13/18	ISSUED FOR REVIEW
P2	TRC 08/20/18	FERC DRAFT

APPROVED FOR CONSTRUCTION

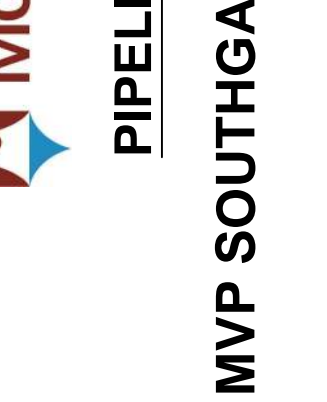
REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

APPROVED FOR FERC

REV. BY	DATE

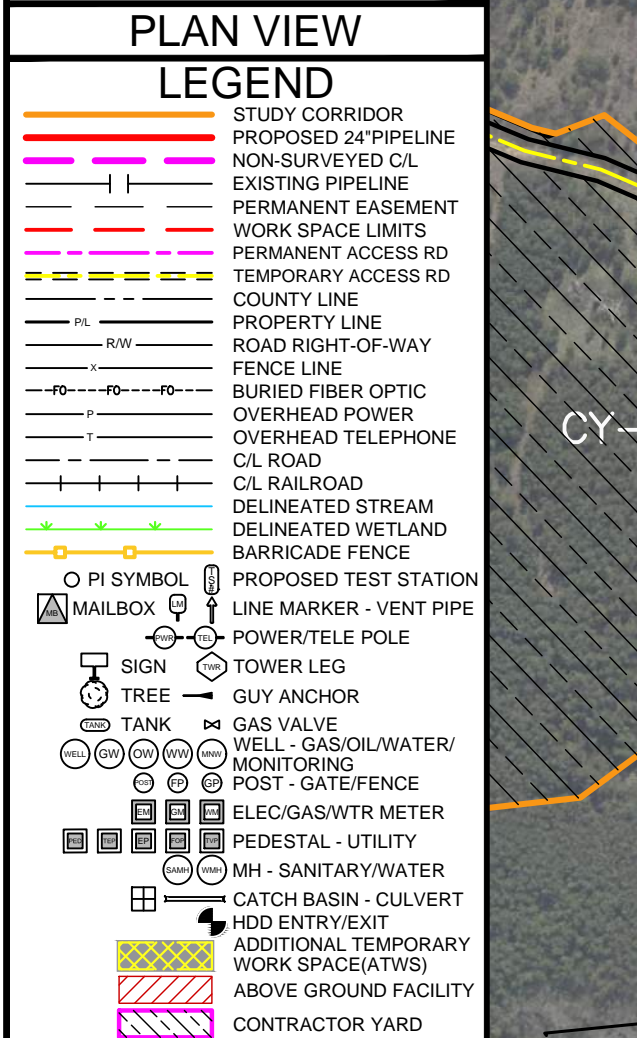
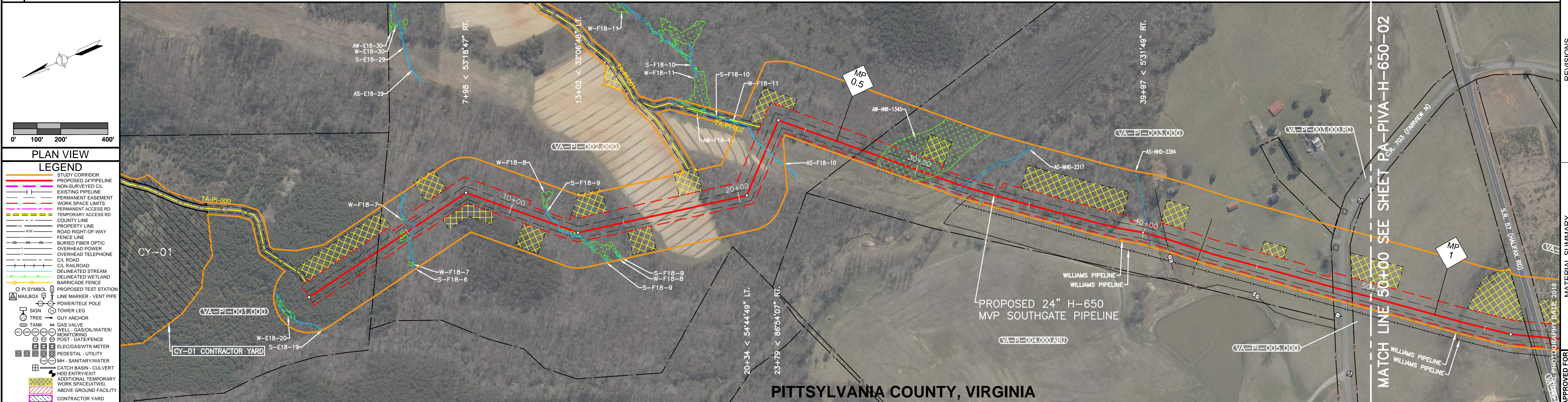


MVP SOUTHGATE PROJECT - H-650 LINE

HORIZ. SCALE:	NONE
DRAWN BY:	TRC 07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/P.O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
SHEET:	2 OF 2
REV. P2	
DATE OF PLOT:	8/18/2018 6:43:54 PM

FERC DRAFT

RIGHT-OF-WAY & OWNERSHIP DATA		0+00	VA-PI-001.000	348 LF	3+48	VA-PI-002.000	2410 LF	27+58	VA-PI-003.000	2076 LF	49+34	VA-PI-003.000.RC	84 LF	49+18	VA-PI-005.000	82 LF	50+00
DESIGN	PIPE / COATING																
	SLOPE DISTANCE																
	CLASS LOCATION / HCA																
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																
	WETLAND / STREAM		W-F18-7	S-F18-6	S-F18-9	AS-F18-10	AW-NWI-1345	AS-NHD-2317		AS-NHD-2384							
			11 LF	5 LF	7 LF	3 LF	239 LF	20 LF									

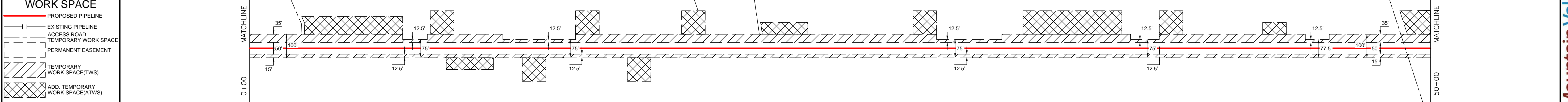


DRAWING NO.	DESCRIPTION

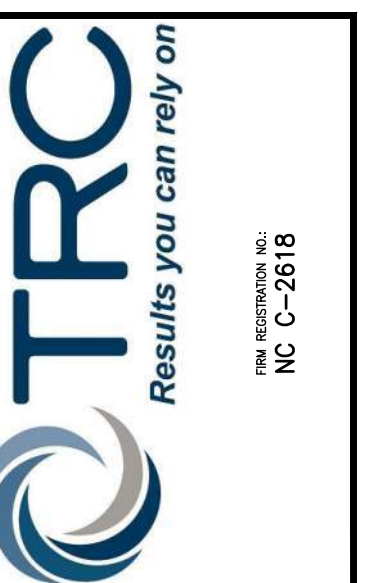
FERC DRAFT



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



CONSTRUCTION METHOD KEY	
1	940
2	840
3	840
4	840
5	840
6	840
7	740
8	740
9	740
10	640
11	640
12	540
13	540
14	540
	440
	340
	240
	0+00
	5+00
	10+00
	15+00
	20+00
	25+00
	30+00
	35+00
	40+00
	45+00
	50+00



REV. NO.	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 0+00 TO STA. 50+00

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

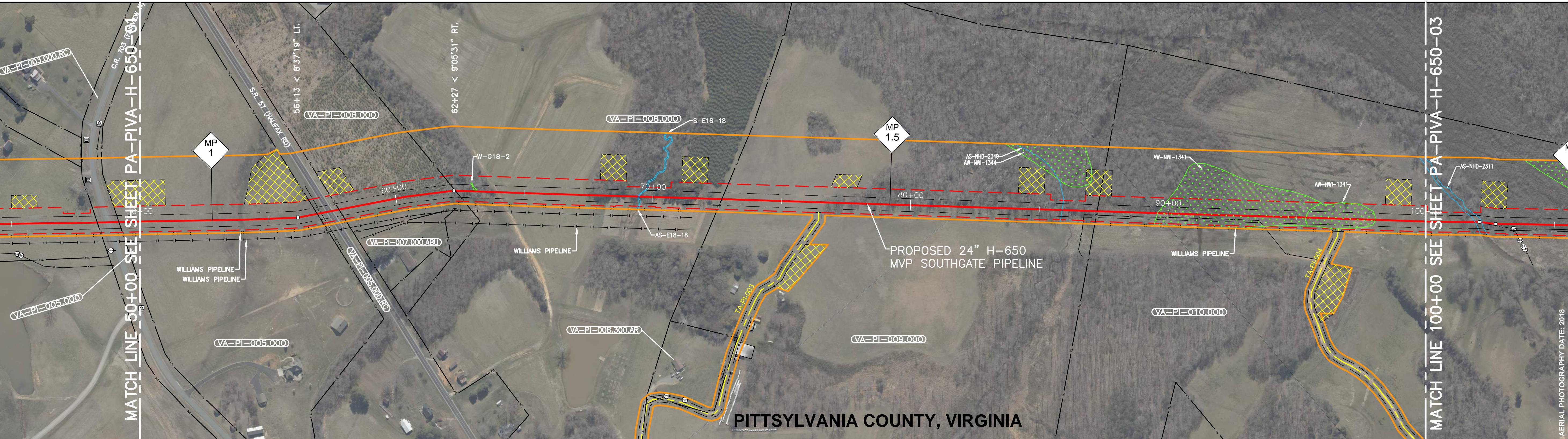
50+00	VA-PI-005.000	689 LF	56+89	VA-PI-005.000.RC	86 LF	57+75	VA-PI-006.000	458 LF	62+33	VA-PI-008.000	1035 LF	72+68	VA-PI-009.000	1457 LF	87+25	VA-PI-010.000	1275 LF	100+00
			S-E18-18			AS-NHD-2349			AW-NWI-1341			845 LF						

0' 100' 200' 400'

PLAN VIEW

LEGEND

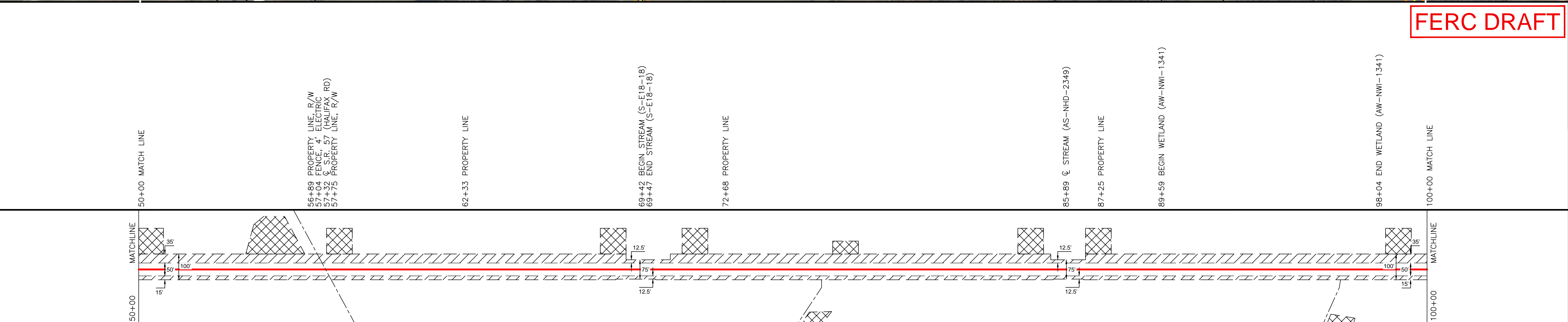
- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON-SURVEYED C/L
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L ROAD
- C/L RAILROAD
- DELIMITED STREAM
- DELIMITED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER TELE POLE
- TOWER LEG
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER
- MONITORING
- POST - GATE FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



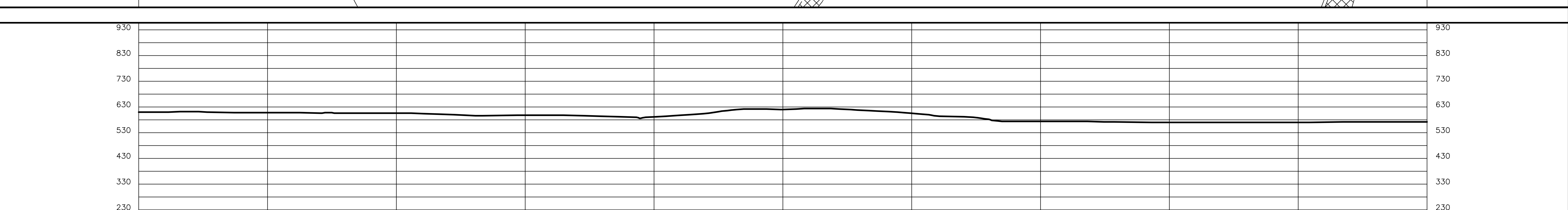
REFERENCE DRAWINGS
DRAWING NO. DESCRIPTION

HORIZONTAL STATIONING
50+00 MATCH LINE
56+89 PROPERTY LINE R/W
57+04 FENCE, 4' ELECTRIC
57+32 & S.R. 57 (HALIFAX RD)
57+75 PROPERTY LINE R/W
62+33 PROPERTY LINE
69+42 BEGIN STREAM (S-E18-18)
69+47 END STREAM (S-E18-18)
72+68 PROPERTY LINE
85+89 & STREAM (AS-NHD-2349)
87+25 PROPERTY LINE
89+59 BEGIN WETLAND (AW-NWI-1341)
98+04 END WETLAND (AW-NWI-1341)
100+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
1 -
2 -
3 -
4 -
5 -
6 -
7 -
8 -
9 -
10 -
11 -
12 -
13 -
14 -



Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 50+00 TO STA. 100+00

APPROVED FOR PERC	APPROVED FOR CONSTRUCTION
REV. BY DATE	REV. BY DATE

REVISIONS			
REV. NO.	DATE	ISSUED FOR REVIEW	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW	
P2	08/20/18	PERC DRAFT	

AERIAL PHOTOGRAPHY DATE: 2018
 TRC PROJECT NO.: 300423
 DRAWING NO.: PA-PIVA-H-650-02
 SHEET: 2 OF 77 REV. P2
 DATE OF PLOT: 8/18/2018 5:12:49 PM

TREC
 Results you can rely on
 REGISTRATION NO. NC C-2618

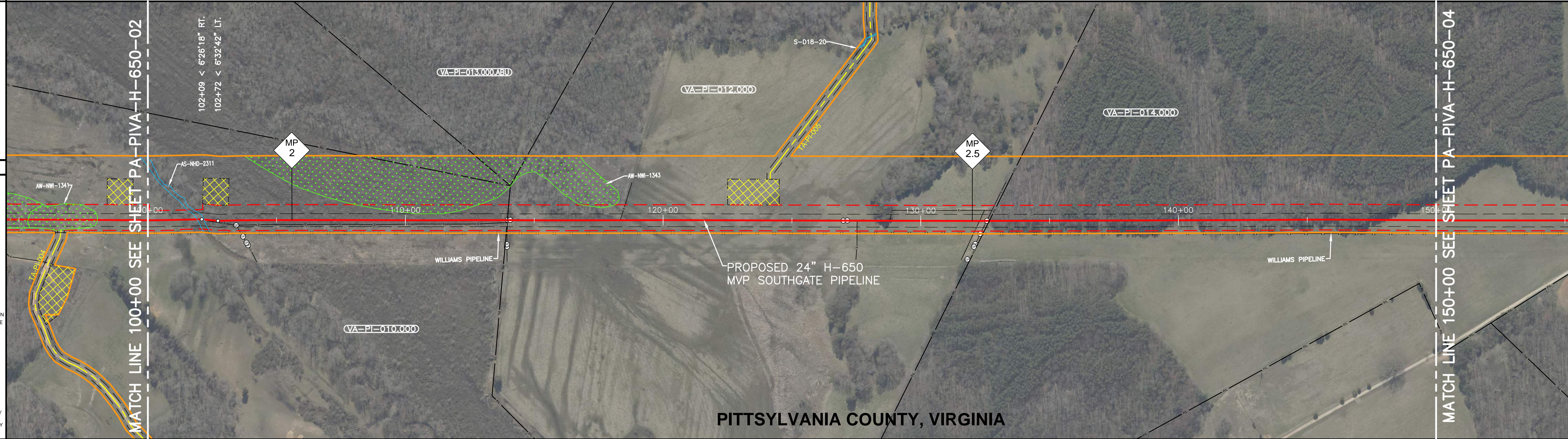
RIGHT-OF-WAY & OWNERSHIP DATA
DESIGN
ENVIRONMENTAL

VA-PI-010.000		VA-PI-012.000		VA-PI-014.000	
100+00	1396 LF	113+96	1870 LF	132+66	1734 LF
PIPE / COATING					
SLOPE DISTANCE					
CLASS LOCATION / HCA					
CONSTRUCTION EXCLUSION					
WETLAND / STREAM	AS-NHD-2311 27 LF				

PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- NON-SURVEYED CL
- 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
- BARRICADE FENCE
- PROPOSED TEST STATION
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- TREE
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER/MONITORING
- POST - GATE FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



FERC DRAFT

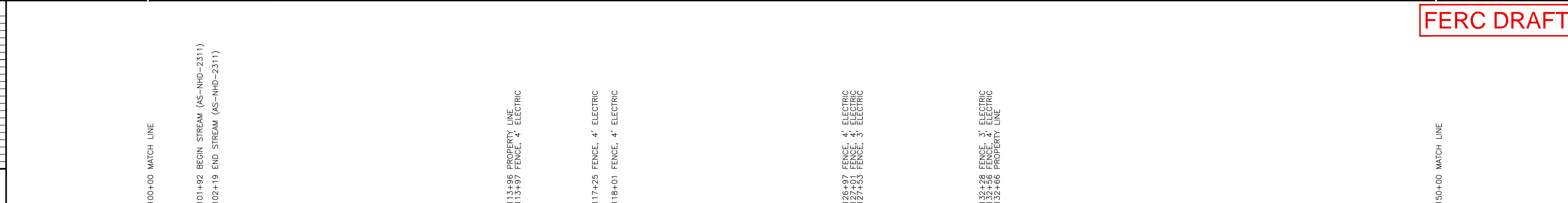
REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

WORK SPACE

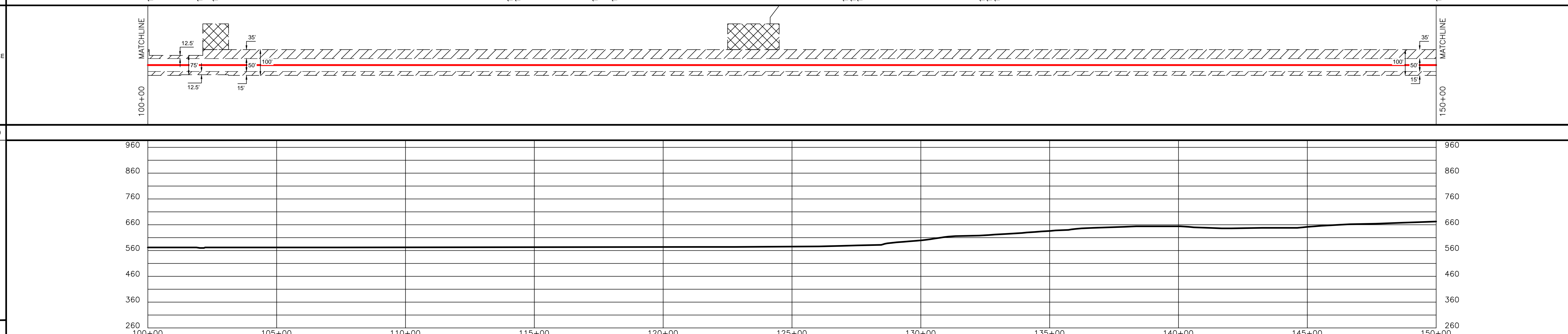
TYPE	WIDTH
PROPOSED PIPELINE	100'
EXISTING PIPELINE	75'
ACCESS ROAD	15'
TEMPORARY WORK SPACE	12.5'
PERMANENT EASEMENT	15'
TEMPORARY WORK SPACE(TWS)	12.5'
ADD. TEMPORARY WORK SPACE(ATWS)	15'



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1
2
3
4
5
6
7
8
9
10
11
12
13
14



REVISIONS

REV. BY	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFT

MATERIAL SUMMARY

MAT. NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. BY	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 100+00 TO STA. 150+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.:

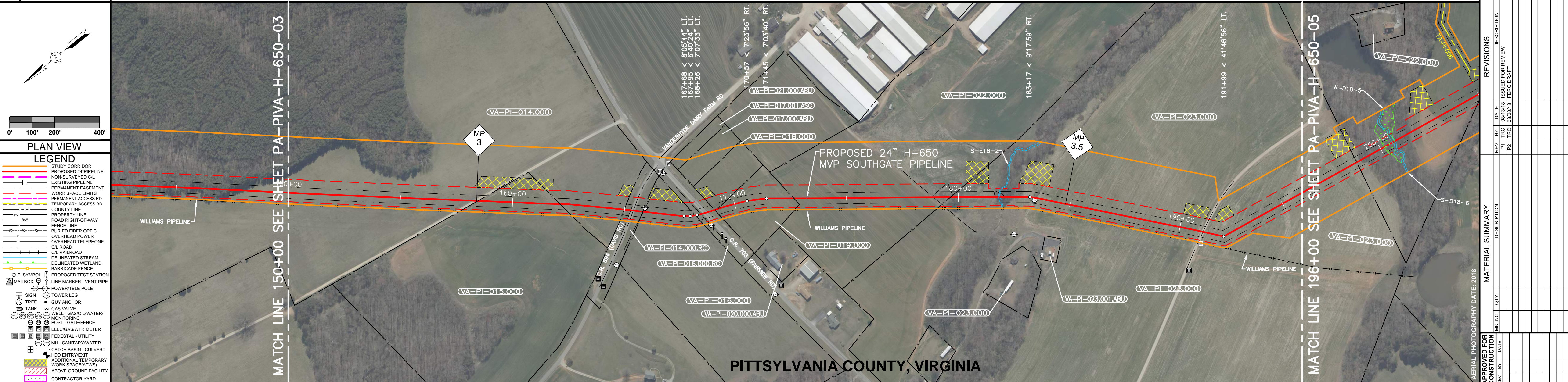
PA-PIVA-H-650-03

SHEET: 3 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 5:13:11 PM

RIGHT-OF-WAY & OWNERSHIP DATA		150+00	846 LF	158+46	366 LF	162+12	288 LF	165+00	82 LF	165+82	236 LF	168+18	89 LF	169+07	14 LF	169+21	346 LF	172+67	697 LF	179+64	1636 LF	196+00
-------------------------------	--	--------	--------	--------	--------	--------	--------	--------	-------	--------	--------	--------	-------	--------	-------	--------	--------	--------	--------	--------	---------	--------

DESIGN	PIPE / COATING	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
	WETLAND / STREAM	S-E18-2 8 LF



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON-SURVEYED C.L.
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- DIKED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C.L. ROAD
- C.L. RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GUY ANCHOR
- TREE
- TANK
- WELL - GAS/OIL/WATER
- MONITORING
- POST - GATE FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REVISIONS	
REV. BY	DESCRIPTION
P1	ISSUED FOR REVIEW
P2	ISSUED FOR PERC DRAFT

MATERIAL SUMMARY	
DESCRIPTION	QTY.

APPROVED FOR BIDDING	
REV. BY	DATE

FERC DRAFT

REFERENCE DRAWINGS	
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

150+00 MATCH LINE

158+46 PROPERTY LINE

162+12 PROPERTY LINE

165+00 PROPERTY LINE, R/W
165+29 UNKNOWN
165+40 C.R. 694 (DAVIS RD)(ASPHALT)
165+47 EDGE OF ROAD
165+82 PROPERTY LINE, R/W
165+85 OVERHEAD POWER LINE
168+18 PROPERTY LINE, R/W
168+42 OVERHEAD POWER LINE
168+56 EDGE OF ROAD
168+66 C.R. 703 (FAIRVIEW RD)
168+75 EDGE OF ROAD
169+07 PROPERTY LINE, R/W
169+21 PROPERTY LINE

172+67 PROPERTY LINE

179+64 PROPERTY LINE
179+77 FENCE, 3' BARBED WIRE

181+57 FENCE, 3' BARBED WIRE
181+77 BEGIN STREAM (S-E18-2)
181+85 END STREAM (S-E18-2)
182+05 FENCE, 3' BARBED WIRE

190+97 EDGE OF ROAD
191+05 PRIVATE RD (GRAVEL)
191+11 EDGE OF ROAD

196+00 MATCH LINE

WORK SPACE

PROPOSED PIPELINE

EXISTING PIPELINE

ACCESS ROAD

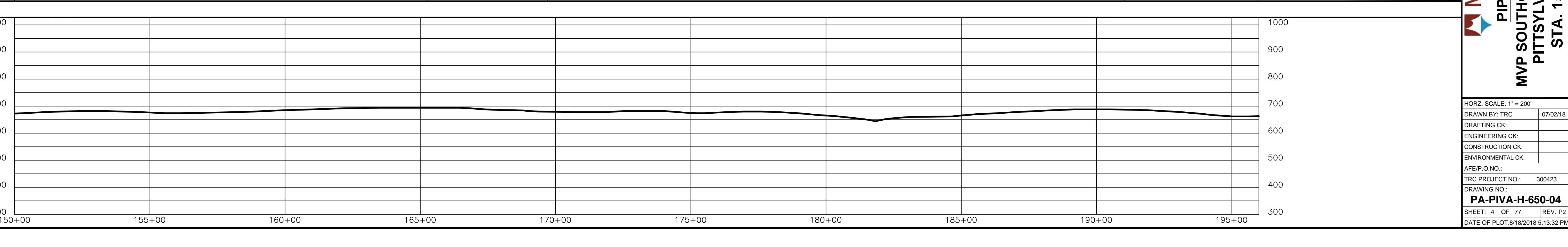
TEMPORARY WORK SPACE

PERMANENT EASEMENT

TEMPORARY WORK SPACE (TWS)

ADD. TEMPORARY WORK SPACE (ATWS)

CONSTRUCTION METHOD	
CONSTRUCTION METHOD KEY	



Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 150+00 TO STA. 196+00

APPROVED FOR PERC
DATE: 08/31/18
REV: P2

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: P2
DATE OF PLOT: 8/18/2018 5:13:32 PM



RIGHT-OF-WAY & OWNERSHIP DATA																											
196+00	VA-PI-023.000	198+78	VA-PI-022.000	205+22	VA-PI-024.000	219+00	VA-PI-025.000	230+38	VA-PI-027.000	232+04	VA-PI-026.000	234+65	VA-PI-026.000.RC	235+58	VA-PI-029.000	236+12	VA-PI-030.000	236+81	VA-PI-026.000.RC	237+63	VA-PI-031.000	239+36	VA-PI-031.000.RC	240+94	VA-PI-032.000	246+00	
	278 LF		644 LF		1378 LF		1138 LF		166 LF		261 LF		93 LF		54 LF		69 LF		82 LF		173 LF		158 LF		240+94	506 LF	246+00

DESIGN	
PIPE / COATING	
SLOPE DISTANCE	
CLASS LOCATION / HCA	

ENVIRONMENTAL													
CONSTRUCTION EXCLUSION													
WETLAND / STREAM	<table border="1"> <tr> <td>W-D18-5</td> <td>S-D18-6</td> <td>W-D18-5</td> <td>W-D18-11</td> <td>S-D18-10</td> <td>S-D18-9</td> </tr> <tr> <td>44 LF</td> <td>10 LF</td> <td>1 LF</td> <td>5 LF</td> <td>6 LF</td> <td>4 LF</td> </tr> </table>	W-D18-5	S-D18-6	W-D18-5	W-D18-11	S-D18-10	S-D18-9	44 LF	10 LF	1 LF	5 LF	6 LF	4 LF
W-D18-5	S-D18-6	W-D18-5	W-D18-11	S-D18-10	S-D18-9								
44 LF	10 LF	1 LF	5 LF	6 LF	4 LF								

PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON-SURVEYED C.L.
- 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
- C.L. ROAD
- C.L. RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- PI SYMBOL
- PROPOSED TEST STATION
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- SIGN
- TOWER LEG
- TREE
- GUY ANCHOR
- TANK
- GAS VALVE
- WELL - GAS/OIL/WATER/MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

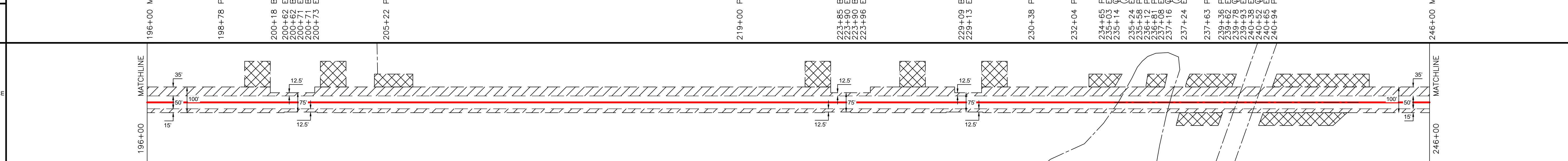
DRAWING NO.	DESCRIPTION

FERC DRAFT

HORIZONTAL STATIONING

WORK SPACE

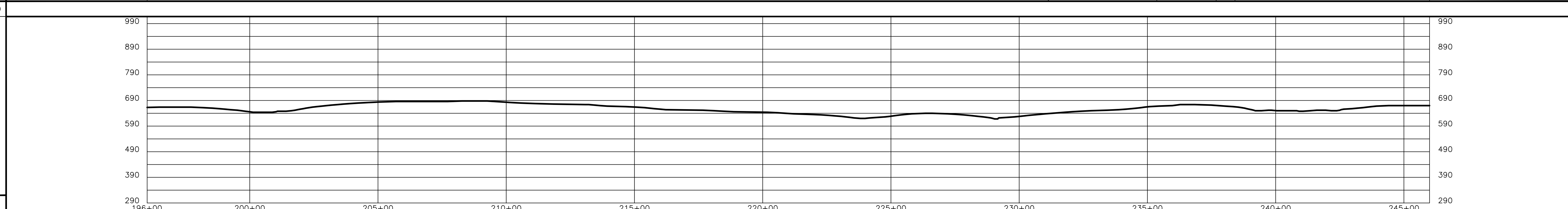
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

-
-
-
-
-
-
-
-
-
-
-
-
-
-
-



PROFILE

REVISIONS

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/03/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

MATERIAL SUMMARY

MARK	QTY.	DESCRIPTION

AERIAL PHOTOGRAPHY DATE: 2018

APPROVED FOR CONSTRUCTION: _____

DATE	BY	DATE	BY

Mountain Valley PIPELINE, LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 196+00 TO STA. 246+00

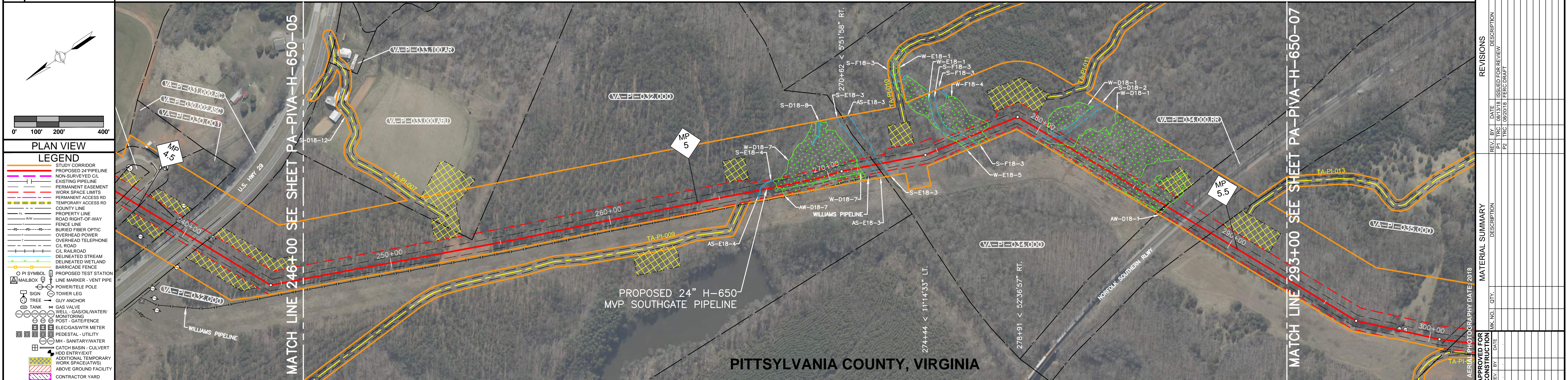
HORZ. SCALE: 1" = 200'

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

A/E/P/O NO.: _____
 TRC PROJECT NO.: 300423
 DRAWING NO.: **PA-PIVA-H-650-05**
 SHEET: 5 OF 77 REV P2
 DATE OF PLOT: 8/18/2018 5:13:49 PM

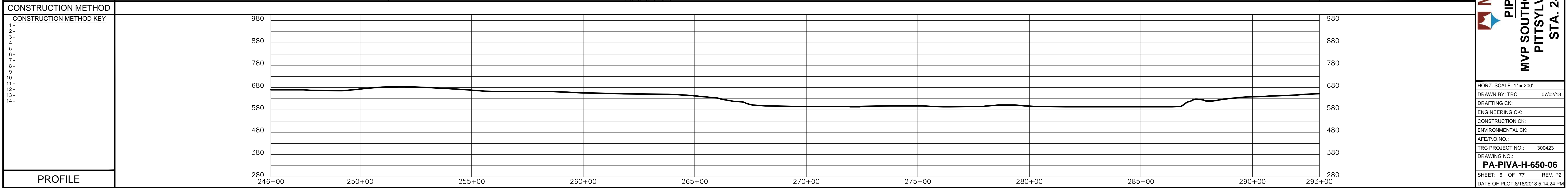
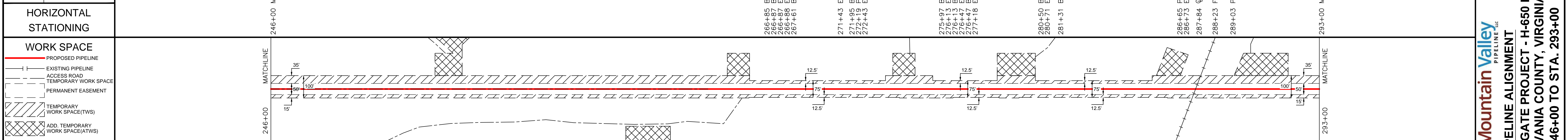
RIGHT-OF-WAY & OWNERSHIP DATA		246+00	246+00	272+19	272+19	286+65	286+65	293+00	293+00
		VA-PI-032.000			VA-PI-034.000			VA-PI-035.000	
		2619 LF			1446 LF			238 LF	

DESIGN	PIPE / COATING									
	SLOPE DISTANCE									
ENVIRONMENTAL	CONSTRUCTION EXCLUSION									
	WETLAND / STREAM	AS-E18-4	S-E18-4	W-D18-7	AS-E18-3	W-E18-5	S-F18-3	W-F18-4	S-D18-2	W-D18-1
		2 LF	1 LF	382 LF	48 LF	16 LF	35 LF	71 LF	21 LF	543 LF



REFERENCE DRAWINGS		
DRAWING NO.	DESCRIPTION	

FERC DRAFT



PROFILE	246+00	250+00	255+00	260+00	265+00	270+00	275+00	280+00	285+00	290+00	293+00
---------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------



REV. BY	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFT

APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

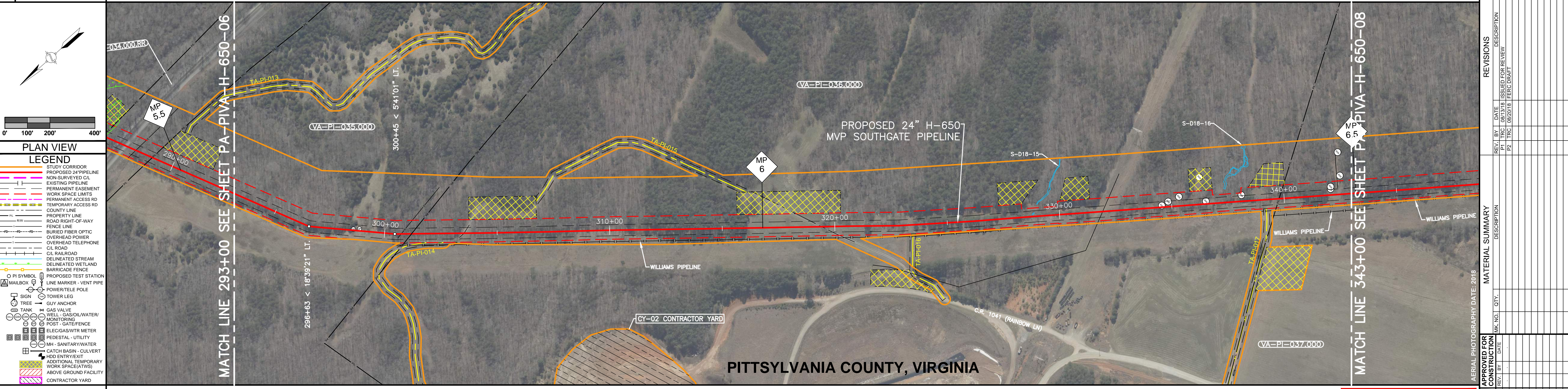
Mountain Valley
PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 246+00 TO STA. 293+00

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-650-06	
SHEET: 6 OF 77	REV. P2
DATE OF PLOT: 8/18/2018 5:14:24 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		293+00	VA-PI-035.000	301+20	820 LF	VA-PI-036.000	319+78	VA-PI-037.000	343+00	322 LF
-------------------------------	--	--------	---------------	--------	--------	---------------	--------	---------------	--------	--------

DESIGN	PIPE / COATING
SLOPE DISTANCE	
CLASS LOCATION / HCA	

ENVIRONMENTAL	CONSTRUCTION EXCLUSION
WETLAND / STREAM	



PLAN VIEW

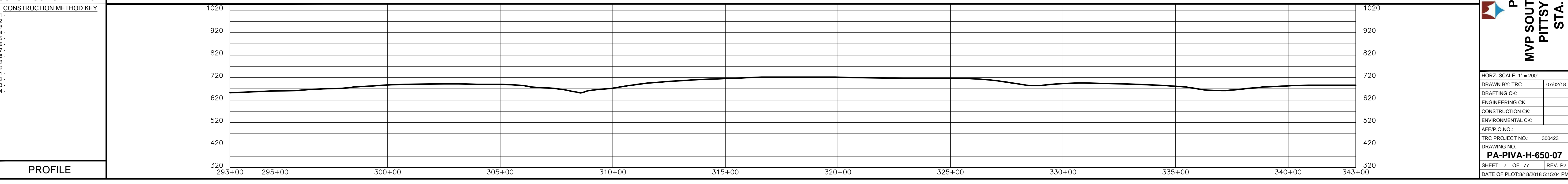
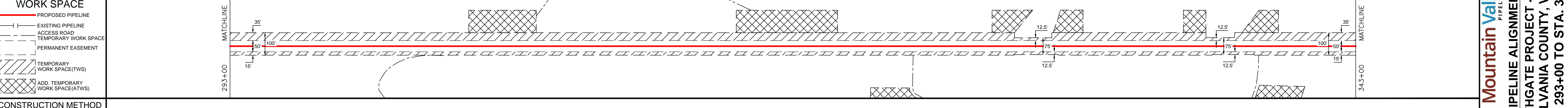
LEGEND

- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON SURVEYED C.L.
- 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
- C.L. ROAD
- C.L. RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- O PI SYMBOL
- PROPOSED TEST STATION
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- SIGN
- TOWER LEG
- TREE
- GUY ANCHOR
- TANK
- GAS VALVE
- WELL - GAS/OIL/WATER/
- MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

FERC DRAFT

REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING	293+00 MATCH LINE	300+74 FENCE, 4' BARBED WIRE	301+20 PROPERTY LINE	303+53 ACCESS RD. (GRAVEL)	319+36 EDGE OF ROAD	319+39 ACCESS RD. (GRAVEL)	319+55 EDGE OF ROAD	331+92 BURIED TELE. CABLE	339+78 PROPERTY LINE	343+00 MATCH LINE
-----------------------	-------------------	------------------------------	----------------------	----------------------------	---------------------	----------------------------	---------------------	---------------------------	----------------------	-------------------



REVISIONS	REV. BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

MATERIAL SUMMARY		
DESCRIPTION	QTY.	DATE

APPROVED FOR CONSTRUCTION		
REV. BY	DATE	DATE

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 293+00 TO STA. 343+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-650-07**

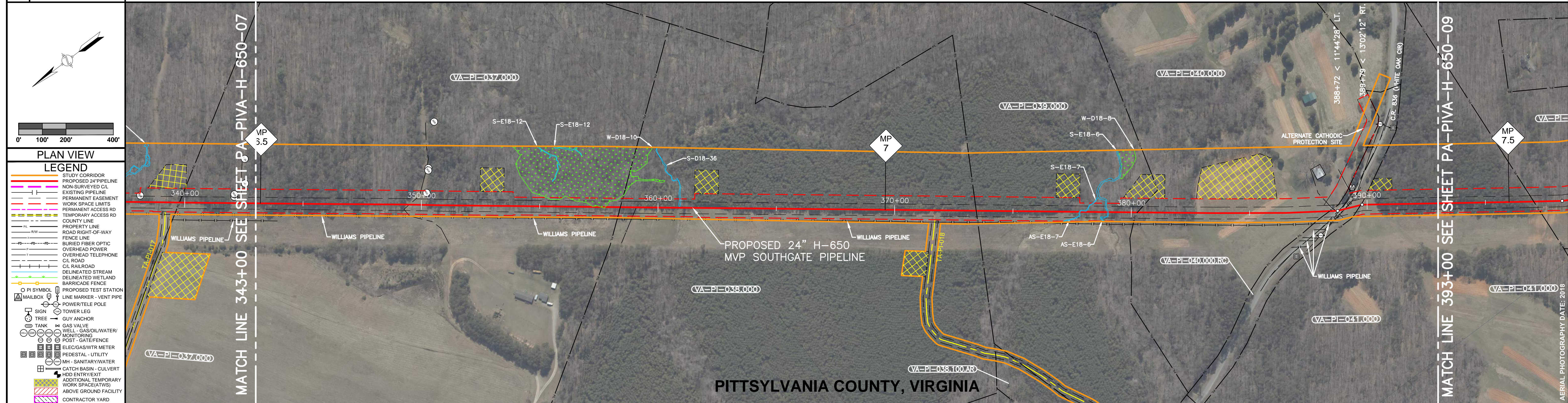
SHEET: 7 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 5:15:04 PM

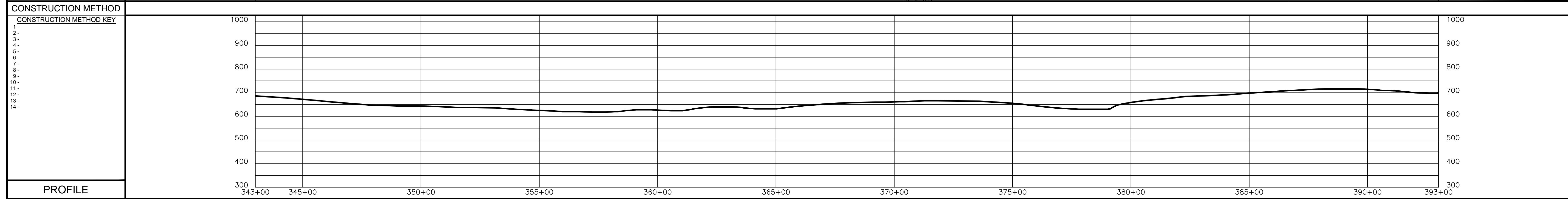
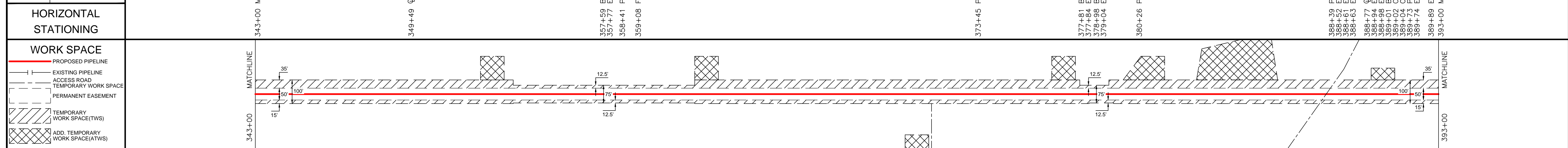
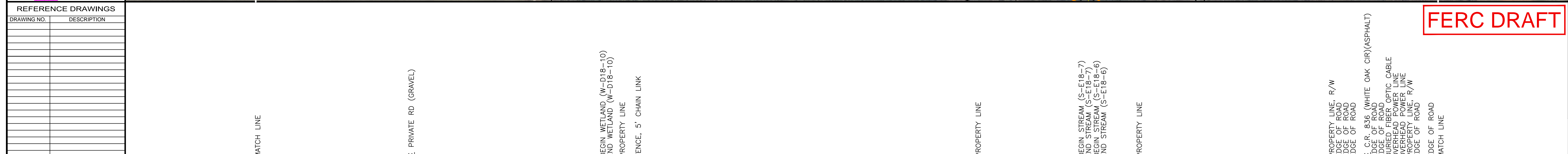
RIGHT-OF-WAY & OWNERSHIP DATA	VA-PI-037.000	VA-PI-038.000	VA-PI-039.000	VA-PI-040.000	VA-PI-040.000.RC	VA-PI-041.000
	1541 LF	1504 LF	681 LF	813 LF	134 LF	327 LF

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

		W-D18-10		S-E18-7	S-E18-6	
		18 LF		4 LF	5 LF	



- ### PLAN VIEW LEGEND
- STUDY CORRIDOR
 - PROPOSED PIPELINE
 - NON-SURVEYED C.L.
 - 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
 - C.L. ROAD
 - C.L. RAILROAD
 - DELINEATED STREAM
 - DELINEATED WETLAND
 - BARRICADE FENCE
 - O PI SYMBOL
 - PROPOSED TEST STATION
 - LINE MARKER - VENT PIPE
 - POWER/TELE POLE
 - TOWER LEG
 - GUY ANCHOR
 - TREE
 - GAS VALVE
 - WELL - GAS/WATER/MONITORING
 - POST - GATE/FENCE
 - ELEC/GAS/WTR METER
 - PEDESTAL - UTILITY
 - MI - SANITARY/WATER
 - CATCH BASIN - CULVERT
 - ROAD ENTRANCE
 - ADDITIONAL TEMPORARY WORK SPACE (ATWS)
 - ABOVE GROUND FACILITY
 - CONTRACTOR YARD



REVISIONS	
REV. BY	DESCRIPTION

MATERIAL SUMMARY	
DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION	
REV. BY	DATE

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 343+00 TO STA. 393+00

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PO NO.:

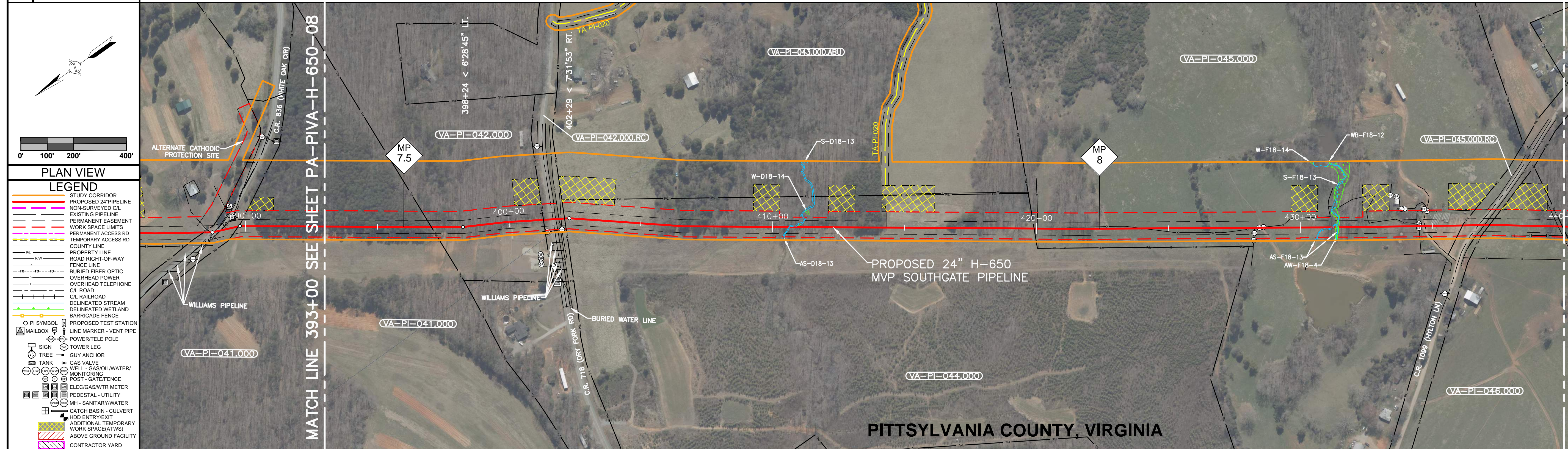
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-08**

SHEET: 8 OF 77 REV. P2

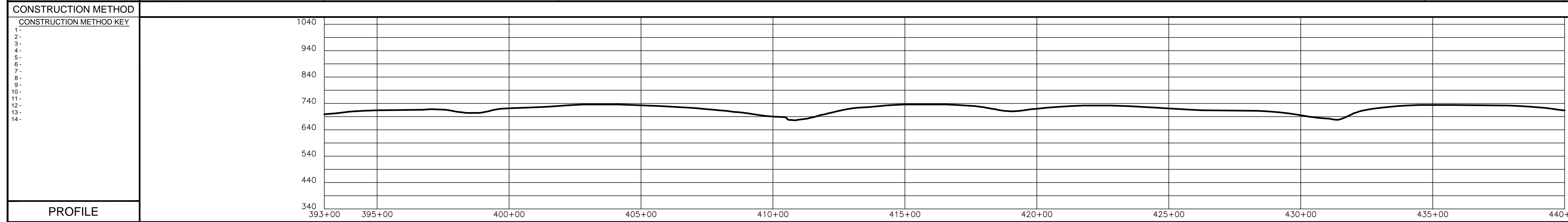
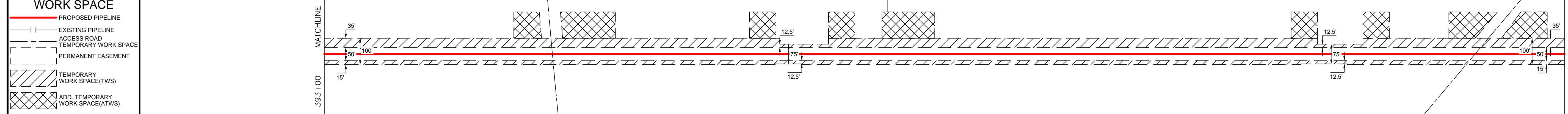
DATE OF PLOT: 8/18/2018 5:15:20 PM

RIGHT-OF-WAY & OWNERSHIP DATA	393+00	VA-PI-041.000	397+04	VA-PI-042.000	401+30	VA-PI-042.000.RC	402+11	VA-PI-044.000	419+91	VA-PI-045.000	436+14	VA-PI-045.000.RC	437+16	VA-PI-046.000	439+93	VA-PI-047.000	440+00
PIPE / COATING	404 LF			426 LF		81 LF	402+11	1780 LF		1623 LF		102 LF	437+16	277 LF	439+93	7 LF	440+00
SLOPE DISTANCE																	
CLASS LOCATION / HCA																	
CONSTRUCTION EXCLUSION																	
WETLAND / STREAM							S-D18-13 2 LF			S-F18-13 8 LF	AW-F18-14 6 LF	AS-F18-13 2 LF	AW-F18-14 4 LF	W-F18-14 1 LF			



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING	393+00	397+04	401+30	402+11	410+62	410+84	414+30	419+91	424+00	428+43	431+17	431+25	431+32	431+37	431+40	431+44	434+48	440+00	
	MATCHLINE	PROPERTY LINE	PROPERTY LINE, R/W EDGE OF ROAD C.R. 118 (DRY FORK RD)(ASPHALT) EDGE OF ROAD WATER LINE WATER FENCE, 4' ELECTRIC OVERHEAD POWER LINE PROPERTY LINE, R/W	BEGIN STREAM (S-D18-13) END STREAM (S-D18-13)		FENCE, 4' BARBED WIRE		PROPERTY LINE FENCE, 4' ELECTRIC		ELECTRIC		BEGIN STREAM (S-F18-13) END STREAM (S-F18-13)	BEGIN WETLAND (AW-F18-14) END WETLAND (AW-F18-14)	BEGIN STREAM (AS-F18-13) END STREAM (AS-F18-13)	BEGIN WETLAND (W-F18-14) END WETLAND (W-F18-14)	BEGIN WETLAND (W-F18-14) END WETLAND (W-F18-14)	FENCE, 4' ELECTRIC EDGE OF ROAD (DIRT) EDGE OF ROAD	PROPERTY LINE, R/W EDGE OF ROAD C.R. 1089 (HYLTON LN)(ASPHALT) EDGE OF ROAD FENCE, 3' BARBED WIRE PROPERTY LINE, R/W FENCE, 3' BARBED WIRE FENCE, 3' ELECTRIC MATCHLINE	MATCHLINE



FERC DRAFT

PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 393+00 TO STA. 440+00

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/03/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

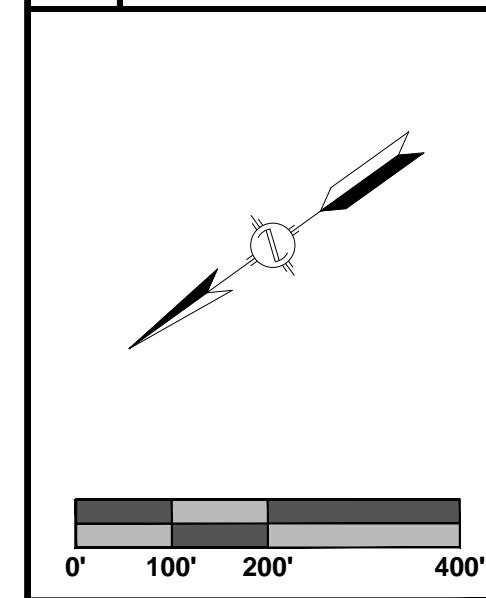
APPROVED FOR CONSTRUCTION	REV.	BY	DATE

APPROVED FOR BIDDING	REV.	BY	DATE

DRAWN BY: TRC | 07/02/18
 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:
 AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.: **PA-PIVA-H-650-09**
 SHEET: 9 OF 77 | REV. P2
 DATE OF PLOT: 8/18/2018 5:15:38 PM

TRC

Results you can rely on
 PIV REGISTRATION NO.: NC C-2618



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON-SURVEYED C.L.
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C.L. ROAD
- C.L. RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- TREE
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER MONITORING
- POST - GATE FENCE
- ELECTRIC/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRANCE
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

AERIAL PHOTOGRAPHY DATE: 2018

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/03/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

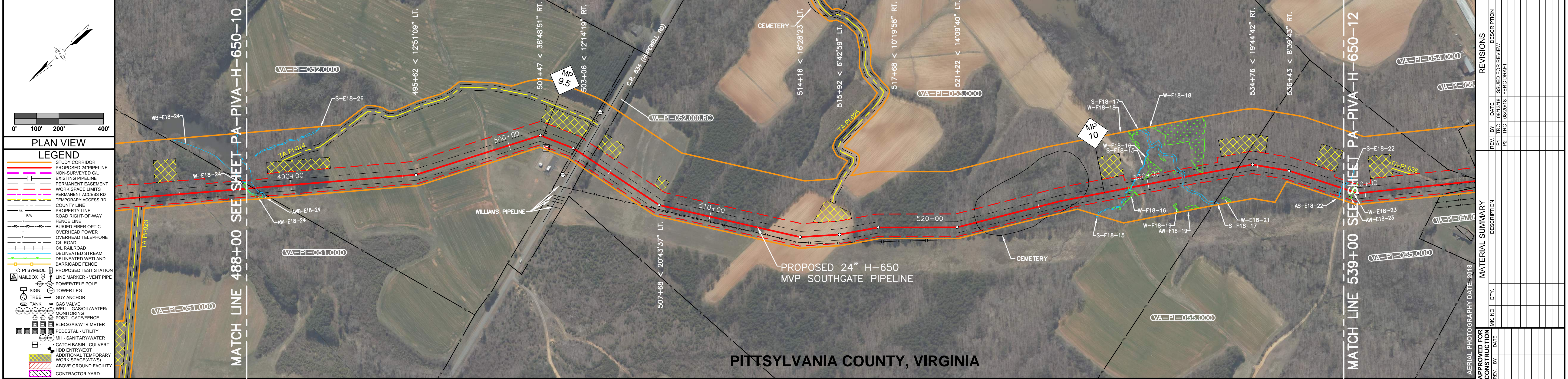
APPROVED FOR CONSTRUCTION	REV.	BY	DATE

APPROVED FOR BIDDING	REV.	BY	DATE

REVISIONS	REV.	BY	DATE	DESCRIPTION

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
	488+00	488+31	503+15	534+12	539+00
	31 LF	1484 LF	80 LF	3017 LF	488 LF

DESIGN	PIPE / COATING												
	SLOPE DISTANCE												
ENVIRONMENTAL	CONSTRUCTION EXCLUSION												
	WETLAND / STREAM	<table border="1"> <tr> <td>AW-E18-24</td> <td>AWB-E18-24</td> <td>W-F18-16</td> <td>S-F18-15</td> <td>S-F18-17</td> <td>S-E18-22</td> </tr> <tr> <td>5 LF</td> <td>37 LF</td> <td>10 LF</td> <td>4 LF</td> <td>8 LF</td> <td>3 LF</td> </tr> </table>	AW-E18-24	AWB-E18-24	W-F18-16	S-F18-15	S-F18-17	S-E18-22	5 LF	37 LF	10 LF	4 LF	8 LF
AW-E18-24	AWB-E18-24	W-F18-16	S-F18-15	S-F18-17	S-E18-22								
5 LF	37 LF	10 LF	4 LF	8 LF	3 LF								



PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON-SURVEYED C.L.
- 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
- C.L. ROAD
- C.L. RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

TRC
Results you can rely on
Pittsylvania County, VA
NC C-2618

REVISIONS

REV. NO.	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFT

MATERIAL SUMMARY

MARK	NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. BY	DATE	DESCRIPTION

APPROVED FOR BIDDING

REV. BY	DATE	DESCRIPTION

APPROVED FOR FERC

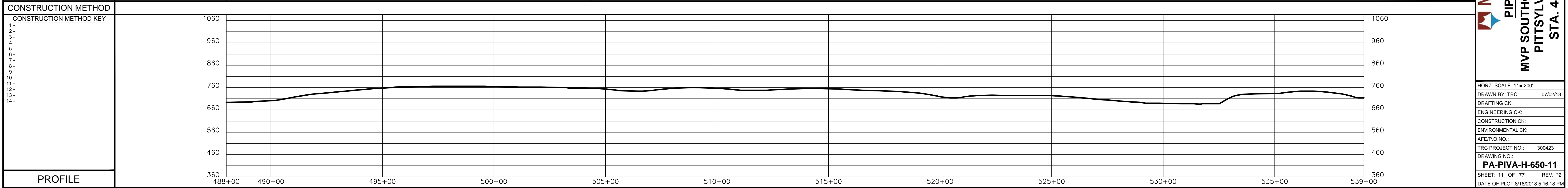
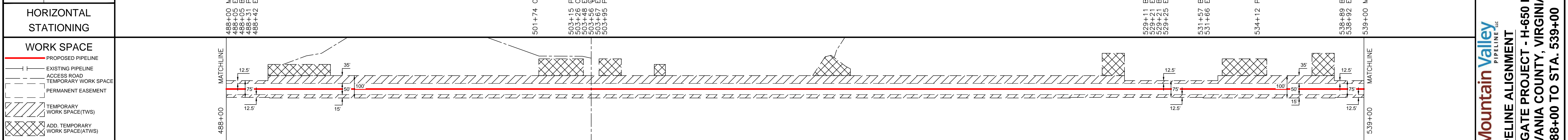
REV. BY	DATE	DESCRIPTION

AERIAL PHOTOGRAPHY DATE: 2018

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

FERC DRAFT



Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 488+00 TO STA. 539+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-650-11

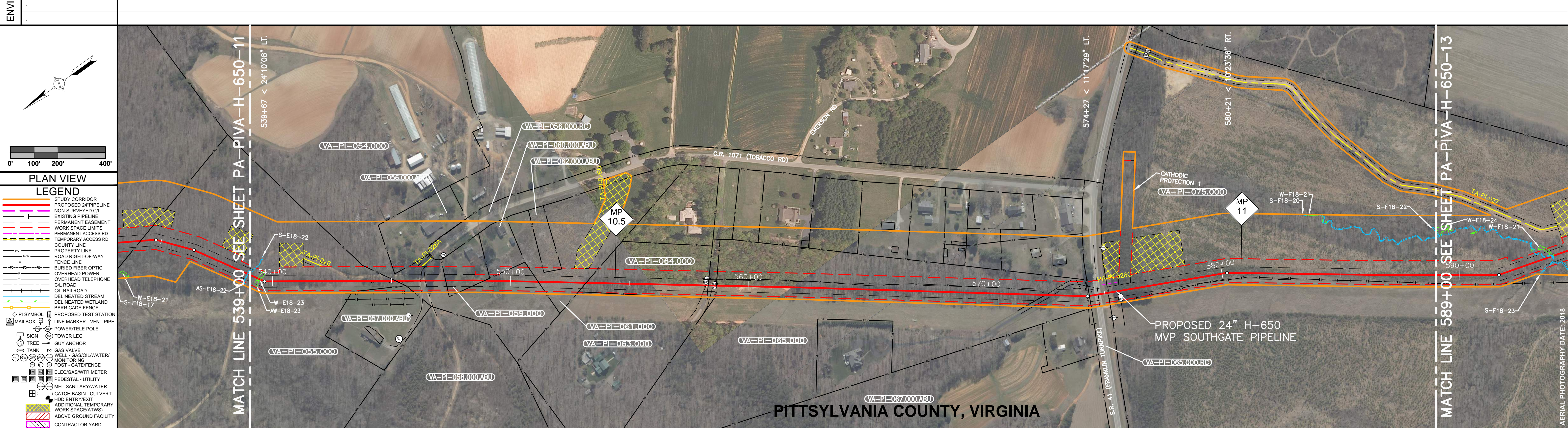
SHEET: 11 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 5:16:18 PM

RIGHT-OF-WAY & OWNERSHIP DATA	539+100	VA-PI-055.000	VA-PI-054.000	VA-PI-059.000	VA-PI-054.000	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	589+100								
PIPE / COATING	617 LF	545+17	211 LF	547+28	163 LF	548+91	226 LF	551+17	202 LF	553+19	513 LF	558+32	34 LF	558+66	1569 LF	574+35	80 LF	575+15	1385 LF	589+100

DESIGN	PIPE / COATING																				
SLOPE DISTANCE																					
CLASS LOCATION / HCA																					

ENVIRONMENTAL	CONSTRUCTION EXCLUSION																				
WETLAND / STREAM	W-E18-23	12 LF																			



PLAN VIEW

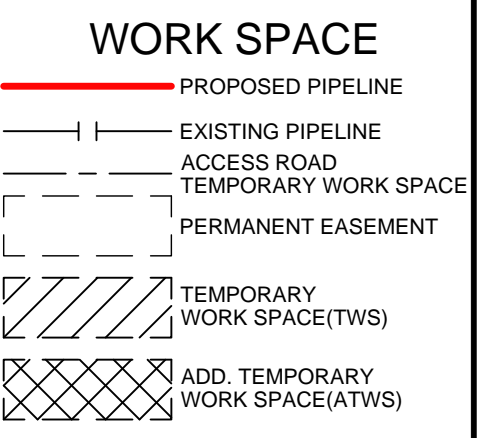
LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- NON-SURVEYED C.L.
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- TEMPORARY ACCESS RD
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- BURIED FIBER OPTIC
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C.L. ROAD
- C.L. RAILROAD
- DELIMITED STREAM
- DELIMITED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- TREE
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER/ MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY WATER
- CATCH BASIN - CULVERT
- ROAD ENTR/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

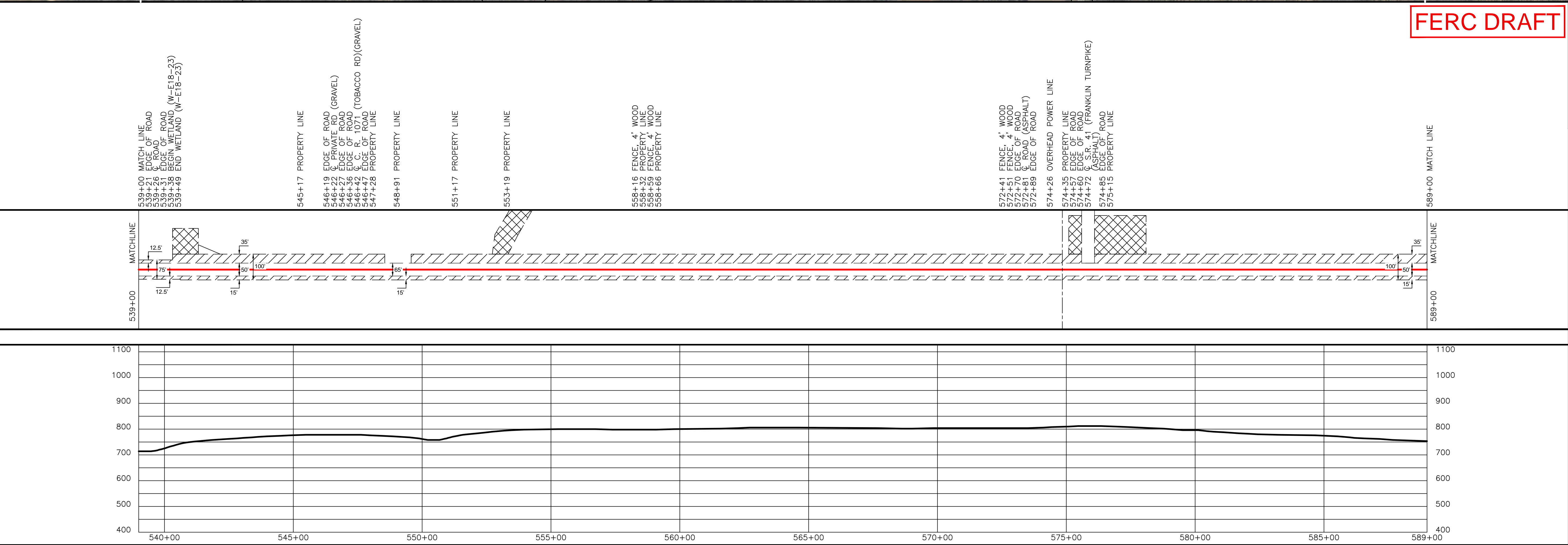
HORIZONTAL STATIONING



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1
2
3
4
5
6
7
8
9
10
11
12
13
14



REVISIONS

REV. NO.	DATE	DESCRIPTION

MATERIAL SUMMARY

MATERIAL	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. NO.	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 539+00 TO STA. 589+00

PROFILE

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-650-12

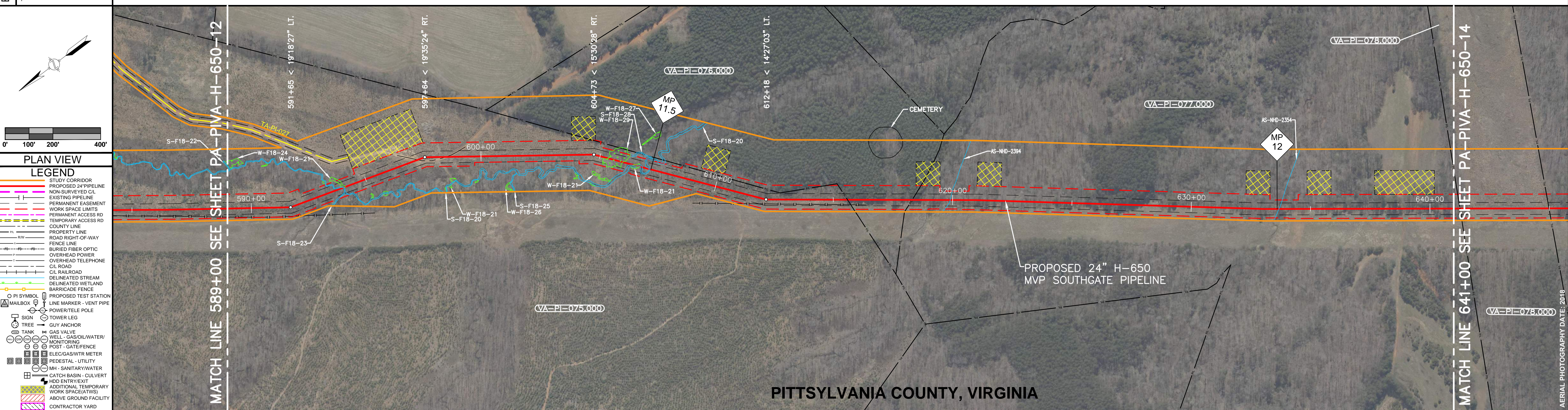
SHEET: 12 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 5:16:34 PM

RIGHT-OF-WAY & OWNERSHIP DATA	659+00	2660 LF	615+60	270 LF	641+00	2270 LF	641+00
	VA-PI-075.000		VA-PI-076.000		VA-PI-077.000		

DESIGN	PIPE / COATING						
	SLOPE DISTANCE						
	CLASS LOCATION / HCA						

ENVIRONMENTAL	CONSTRUCTION EXCLUSION									
	WETLAND / STREAM	S-F18-20 5 LF	W-F18-21 4 LF	W-F18-29 64 LF	W-F18-21 15 LF	S-F18-20 12 LF	W-F18-21 2 LF	S-F18-20 8 LF	S-F18-20 5 LF	AS-NHD-2394

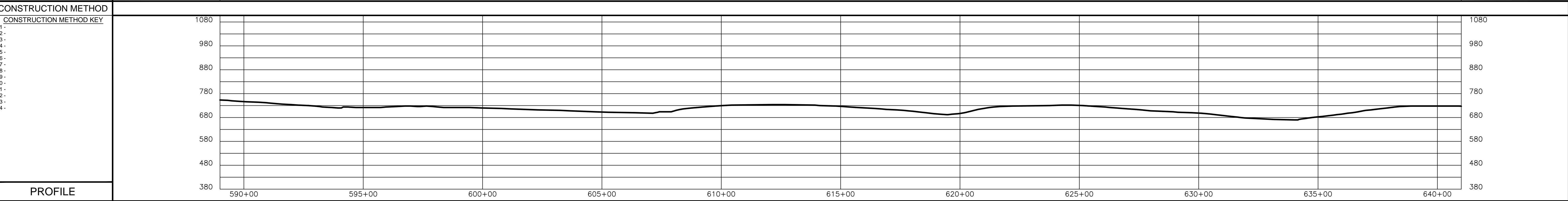
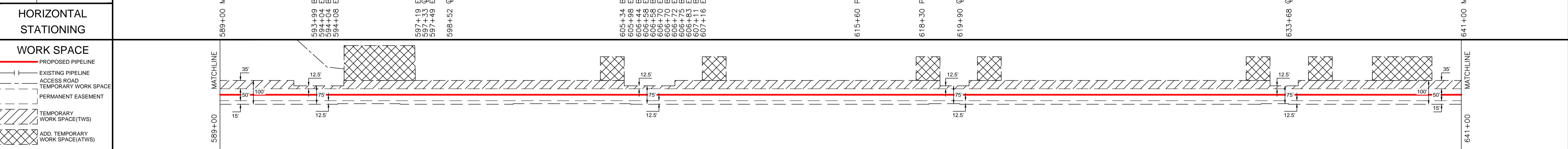


PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON-SURVEYED C/L
- 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
- C/L ROAD
- C/L RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- TREE
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER/ MONITORING
- POST - GATE FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION



FERC DRAFT



REVISIONS

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

APPROVED FOR CONSTRUCTION

REV.	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

PITTSYLVANIA COUNTY, VIRGINIA

STA. 589+00 TO STA. 641+00

HORZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

AFE/PO NO.:

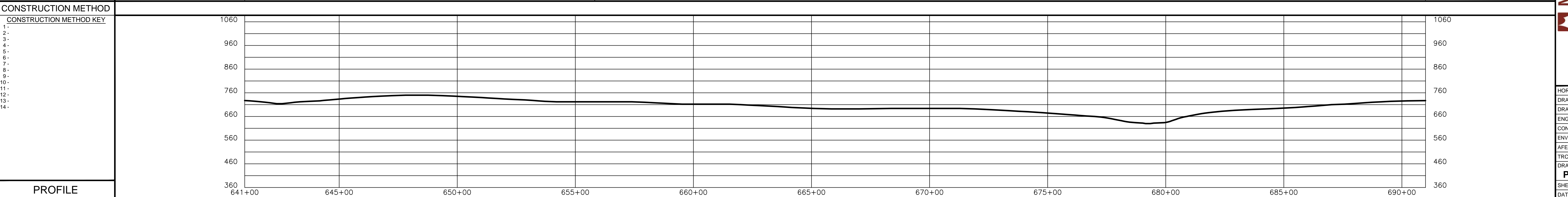
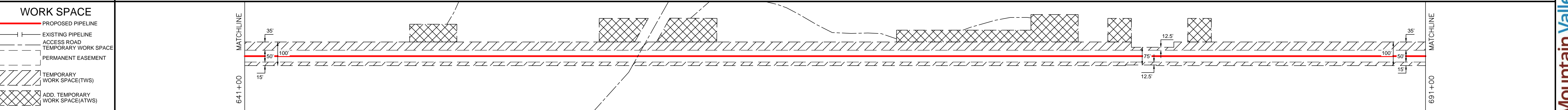
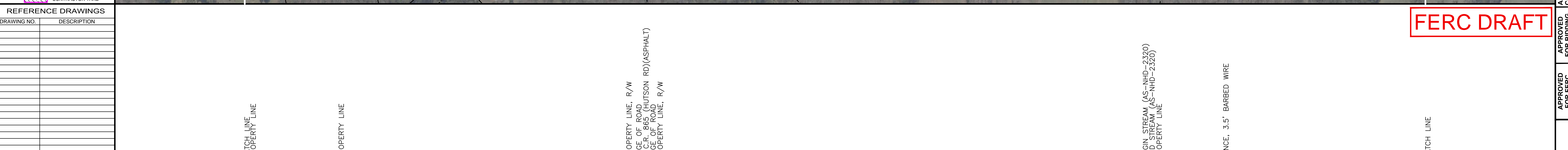
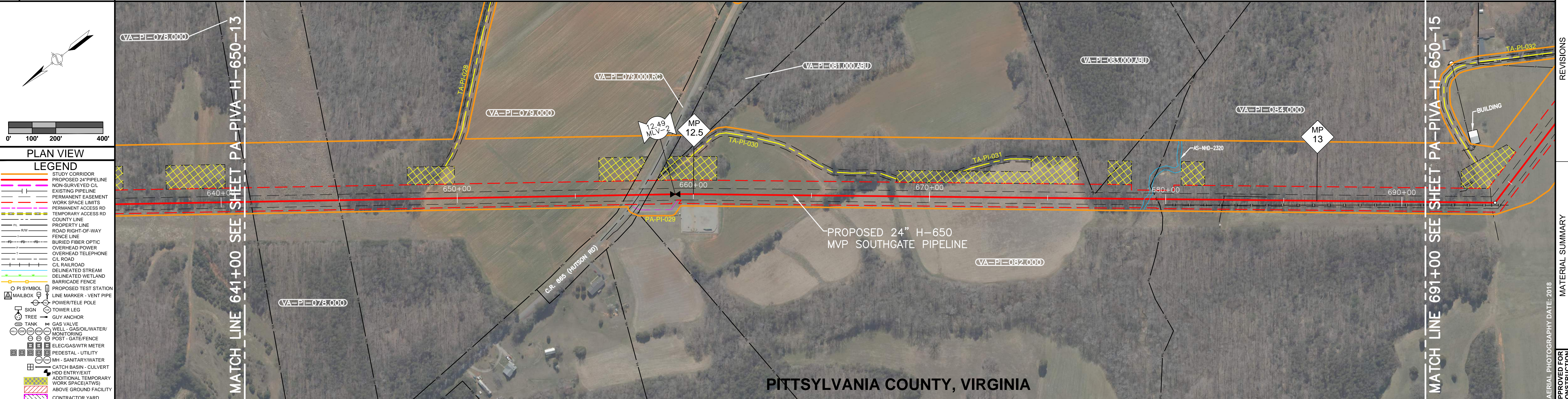
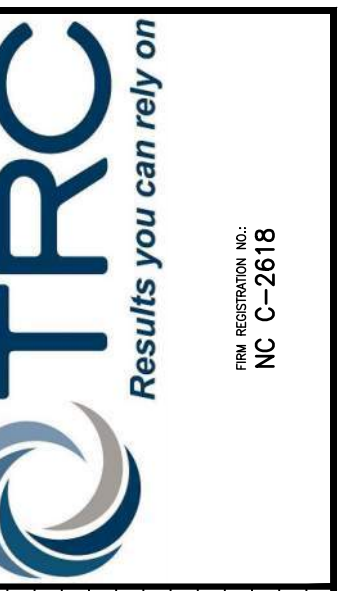
TRC PROJECT NO.: 300423

DRAWING NO.: **PA-PIVA-H-650-13**

SHEET: 13 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 5:16:47 PM

RIGHT-OF-WAY & OWNERSHIP DATA		641+00	VA-PI-077.000 26 LF	641+26	VA-PI-078.000 373 LF	644+99	VA-PI-079.000 1218 LF	657+17	VA-PI-079.000.RC 93 LF	658+10	VA-PI-082.000 2152 LF	679+62	VA-PI-084.000 1138 LF	691+00
DESIGN	PIPE / COATING													
ENVIRONMENTAL	SLOPE DISTANCE													
	CONSTRUCTION EXCLUSION													
	WETLAND / STREAM												AS-NHD-2320 23 LF	



REV.	BY	DATE	DESCRIPTION

REV.	BY	DATE	DESCRIPTION

APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 641+00 TO STA. 691+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-650-14

SHEET: 14 OF 77 REV. P2
 DATE OF PLOT: 8/18/2018 5:17:08 PM

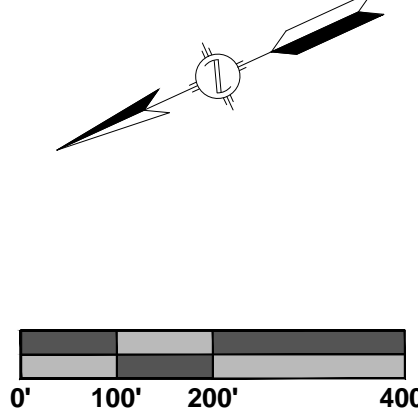
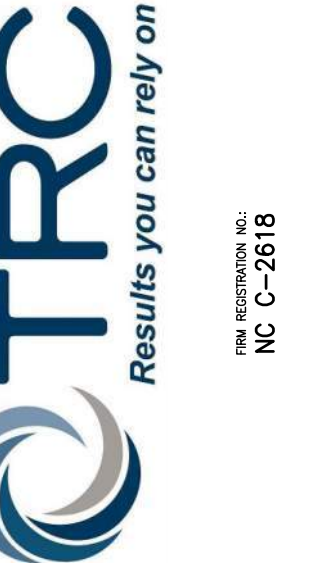
RIGHT-OF-WAY & OWNERSHIP DATA

691+00	1116 LF	702+16	618 LF	708+34	290 LF	711+24	80 LF	712+04	291 LF	714+95	1051 LF	725+46	554 LF	731+00
	(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)			

DESIGN

ENVIRONMENTAL

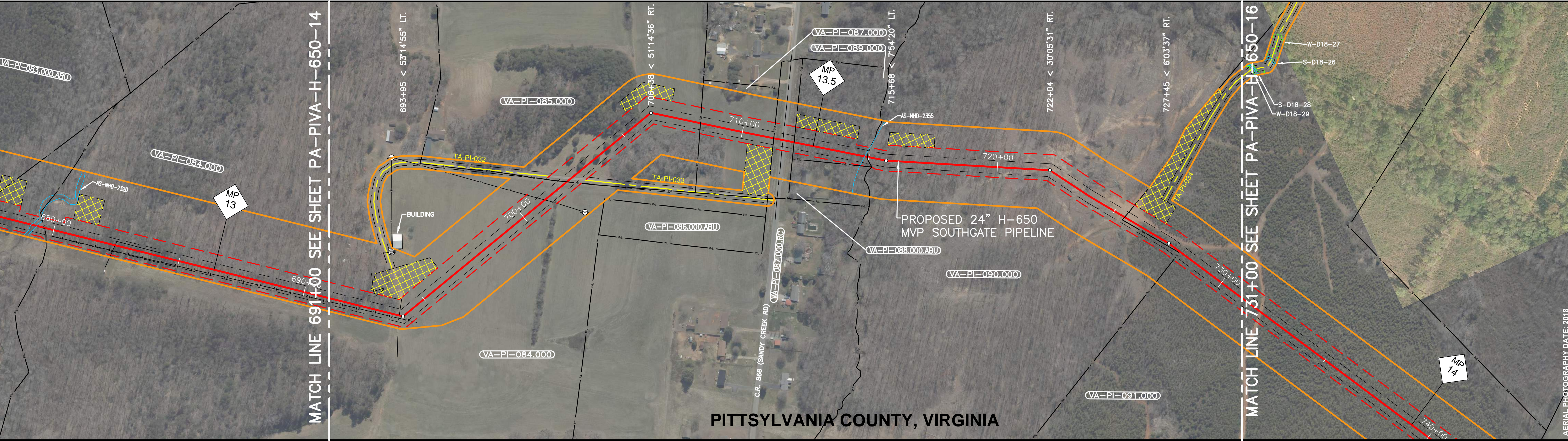
ENVIRONMENTAL



PLAN VIEW

LEGEND

(Orange dashed line)	STUDY CORRIDOR
(Red dashed line)	PROPOSED 24" PIPELINE
(Black dashed line)	EXISTING PIPELINE
(Purple hatched area)	PERMANENT EASEMENT
(Blue hatched area)	WORK SPACE LIMITS
(Red hatched area)	PERMANENT ACCESS RD
(Black hatched area)	TEMPORARY ACCESS RD
(Black line)	COUNTY LINE
(Red line)	PROPERTY LINE
(Black line)	ROAD RIGHT-OF-WAY
(Black line)	FENCE LINE
(Black line)	BURIED FIBER OPTIC
(Black line)	OVERHEAD POWER
(Black line)	OVERHEAD TELEPHONE
(Black line)	C/L ROAD
(Black line)	C/L RAILROAD
(Black line)	DELINEATED STREAM
(Black line)	DELINEATED WETLAND
(Black line)	BARRICADE FENCE
(Orange circle)	O PI SYMBOL
(Orange circle with dot)	PROPOSED TEST STATION
(Black square)	MAILBOX
(Black circle)	LINE MARKER - VENT PIPE
(Black circle with dot)	POWER/TELE POLE
(Black circle with cross)	TOWER LEG
(Black circle with dot)	TREE
(Black circle with dot)	GUY ANCHOR
(Black circle with dot)	GAS VALVE
(Black circle with dot)	WELL - GASOLINE/WATER MONITORING
(Black circle with dot)	POST - GATE FENCE
(Black circle with dot)	ELEC/GAS/WTR METER
(Black circle with dot)	PEDESTAL - UTILITY
(Black circle with dot)	MH - SANITARY/WATER
(Black circle with dot)	CATCH BASIN - CULVERT
(Black circle with dot)	ROAD ENTRY/EXIT
(Black circle with dot)	ADDITIONAL TEMPORARY WORK SPACE(TWS)
(Black circle with dot)	ABOVE GROUND FACILITY
(Black circle with dot)	CONTRACTOR YARD



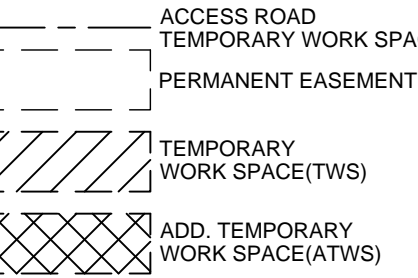
PITTSYLVANIA COUNTY, VIRGINIA

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

WORK SPACE



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.

PROFILE



FERC DRAFT

REVISIONS

REV. BY	DATE	DESCRIPTION

MATERIAL SUMMARY

MAT. NO.	QTY.	DESCRIPTION

APPROVED FOR FERC CONSTRUCTION

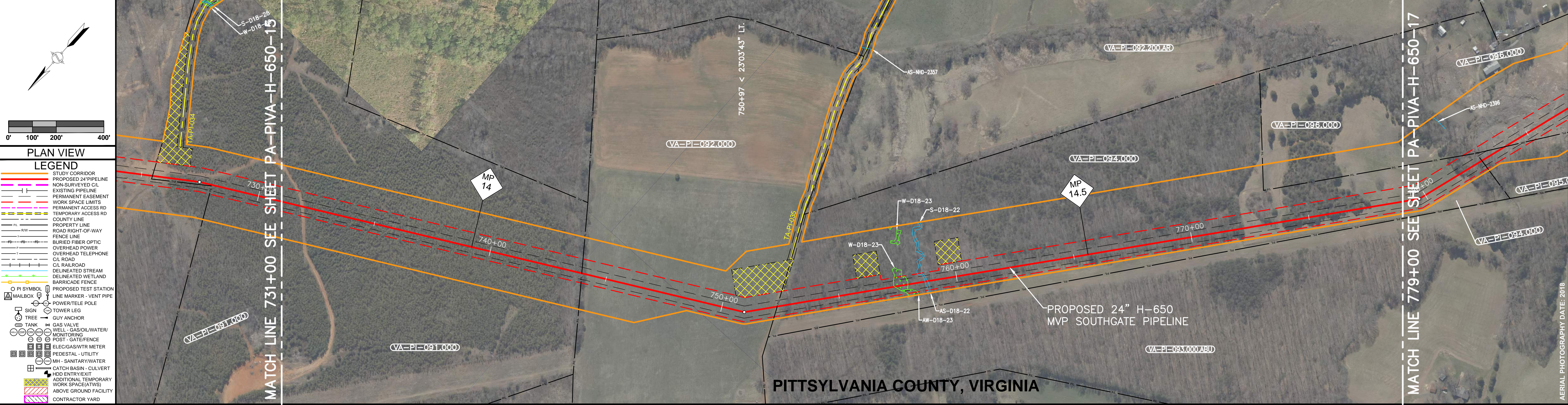
REV. BY	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 691+00 TO STA. 731+00

APPROVED FOR FERC

DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/PI.D.NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-PIVA-H-650-15	
SHEET: 15 OF 77	REV. P2
DATE OF PLOT: 8/18/2018 5:17:25 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		731+00	VA-PI-091.000	1295 LF	743+95	VA-PI-092.000	842 LF	752+37	VA-PI-094.000	2663 LF	779+00		
DESIGN	PIPE / COATING												
	SLOPE DISTANCE												
	CLASS LOCATION / HCA												
ENVIRONMENTAL	CONSTRUCTION EXCLUSION												
	WETLAND / STREAM							W-D18-23	S-D18-22				
								56 LF	12 LF				



PLAN VIEW

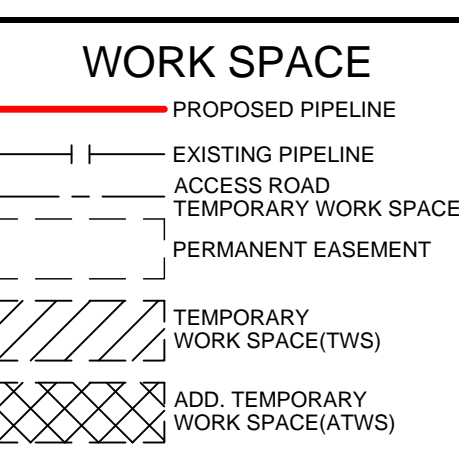
LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- NON-SURVEYED CL
- 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
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER
- MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRANCE
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

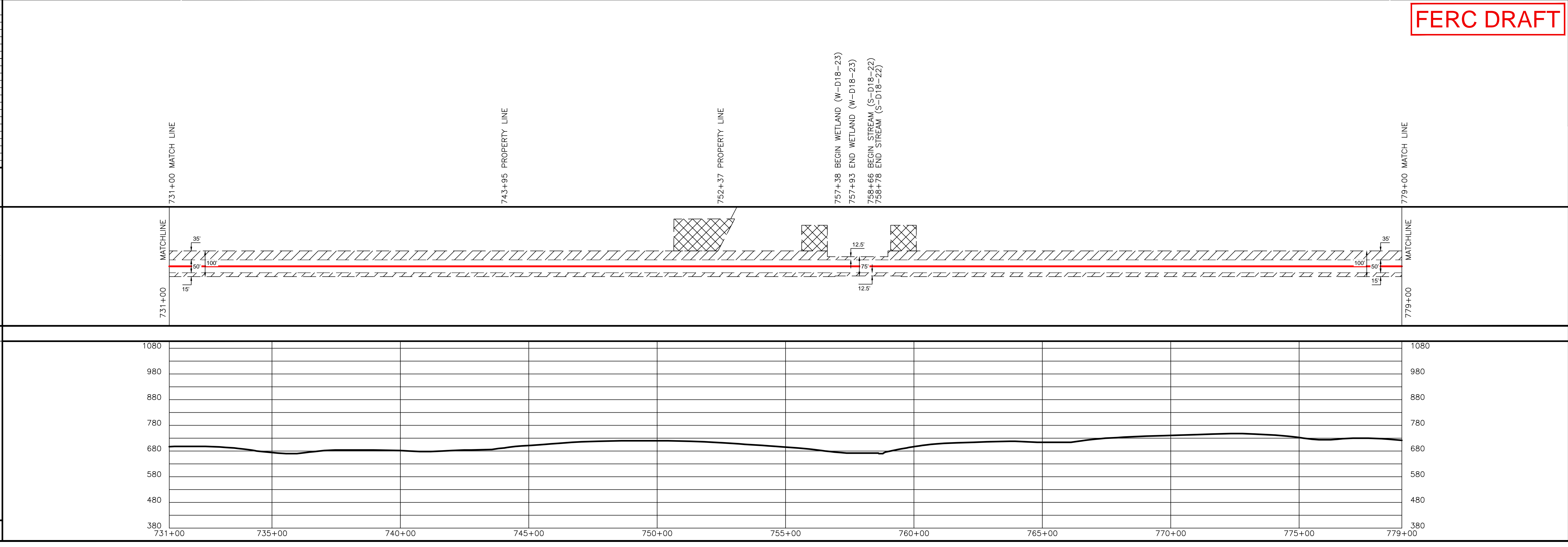


CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

PROFILE



REVISIONS

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION

FERC DRAFT

APPROVED FOR BIDDING

REV.	BY	DATE

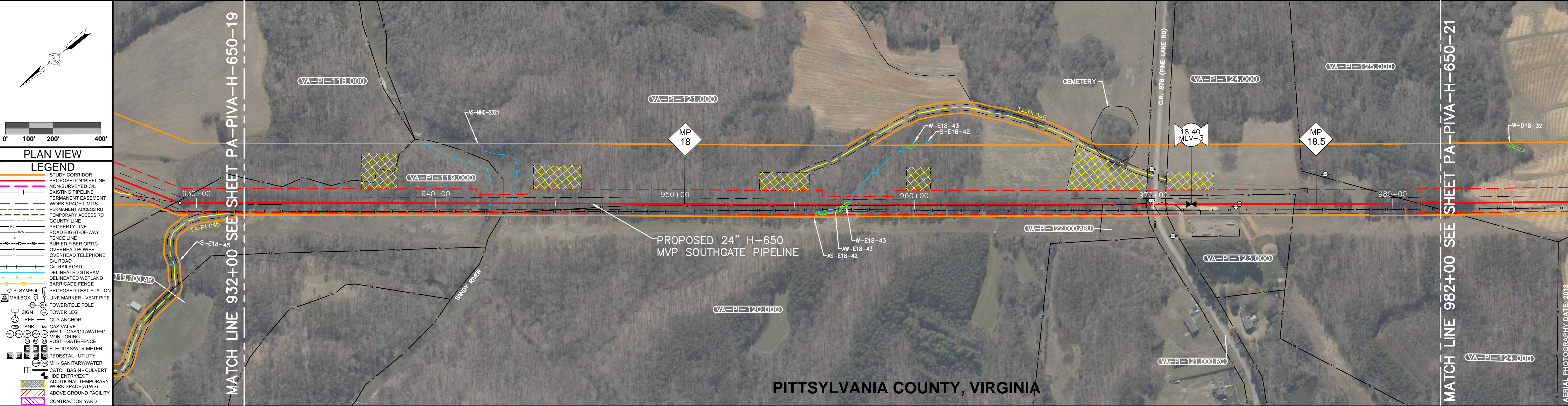
Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 731+00 TO STA. 779+00

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. P2
 DATE OF PLOT: 8/18/2018 5:17:39 PM

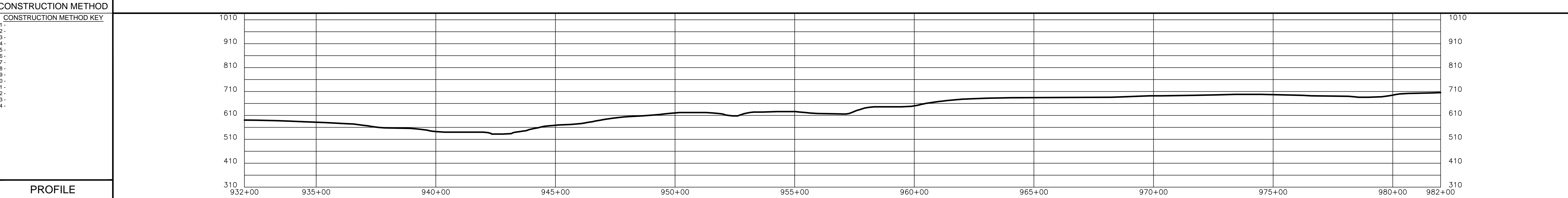
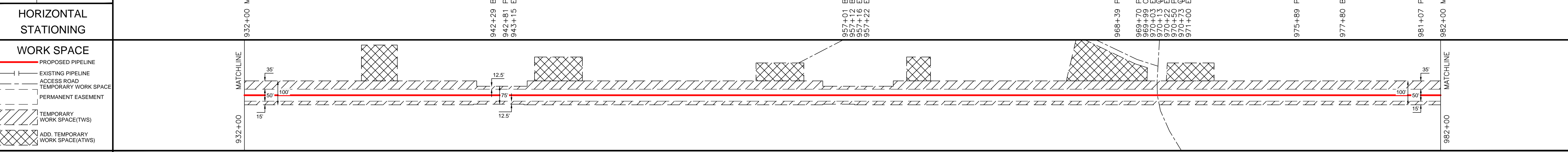
RIGHT-OF-WAY & OWNERSHIP DATA		932+00	(VA-PI-119.000)	942+81	(VA-PI-121.000)	968+39	(VA-PI-122.000.AB)	969+70	(VA-PI-121.000.RC)	970+50	(VA-PI-123.000)	975+89	(VA-PI-124.000)	981+07	(VA-PI-125.000)	982+00	
		1081 LF			2558 LF			131 LF		80 LF		539 LF		518 LF		93 LF	

DESIGN	PIPE / COATING	
	SLOPE DISTANCE	
	CLASS LOCATION / HCA	

ENVIRONMENTAL	CONSTRUCTION EXCLUSION									
	WETLAND / STREAM	<table border="1"> <tr> <td>AS-NHD-2321</td> <td>W-E18-43</td> <td>S-E18-42</td> <td>W-E18-43</td> </tr> <tr> <td>86 LF</td> <td>11 LF</td> <td>4 LF</td> <td>4 LF</td> </tr> </table>	AS-NHD-2321	W-E18-43	S-E18-42	W-E18-43	86 LF	11 LF	4 LF	4 LF
AS-NHD-2321	W-E18-43	S-E18-42	W-E18-43							
86 LF	11 LF	4 LF	4 LF							



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION



FERC DRAFT

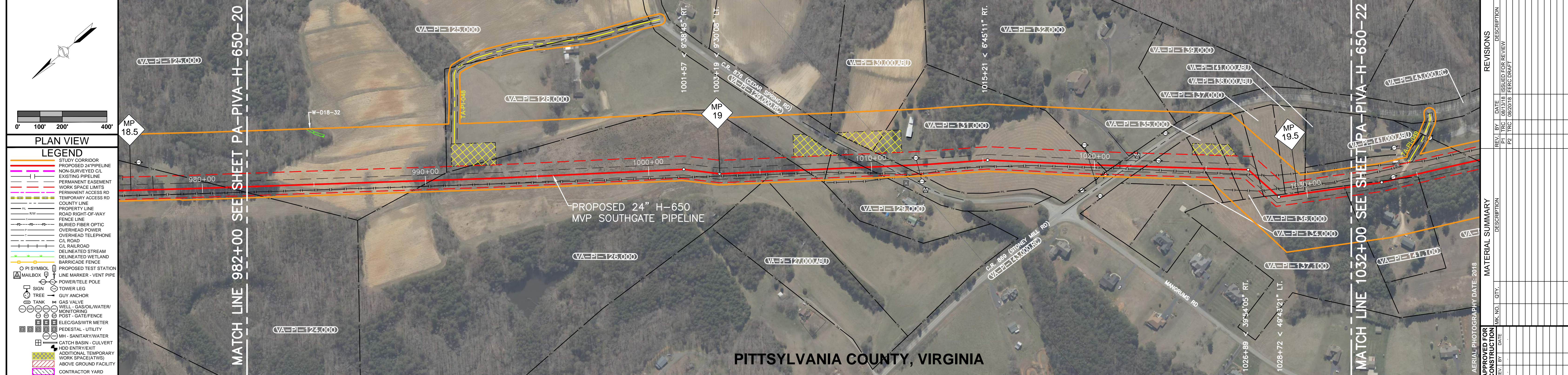
TRC
Results you can rely on
INC. REGISTRATION NO. NC C-2618

REVISIONS		MATERIAL SUMMARY		APPROVED FOR CONSTRUCTION		APPROVED FOR BIDDING		APPROVED FOR FERC	
REV. NO.	DATE	DESCRIPTION	REV. NO.	DATE	DESCRIPTION	REV. NO.	DATE	REV. NO.	DATE
P1	08/13/18	ISSUED FOR REVIEW							
P2	08/20/18	FERC DRAFT							

DATE	DESCRIPTION
07/02/18	DRAWN BY: TRC
	DRAFTING CK:
	ENGINEERING CK:
	CONSTRUCTION CK:
	ENVIRONMENTAL CK:
	AFE/P.O. NO.:
	TRC PROJECT NO.: 300423
	DRAWING NO.:
	PA-PIVA-H-650-20
	SHEET: 20 OF 77
	DATE OF PLOT: 8/18/2018 5:18:55 PM

RIGHT-OF-WAY & OWNERSHIP DATA	982+00 VA-PI-125.000	829 LF	990+29 VA-PI-126.000	1670 LF	1006+99 VA-PI-128.000	103 LF	1008+02 VA-PI-129.000	168 LF	1009+70 VA-PI-129.000.RD	167 LF	1011+37 VA-PI-131.000	890 LF	1020+27 VA-PI-132.000	65 LF	1020+92 VA-PI-143.000.RD	135 LF	1022+27 VA-PI-134.000	263 LF	1024+90 VA-PI-135.000	116 LF	1026+06 VA-PI-136.000	148 LF	1027+54 VA-PI-137.000	106 LF	1028+60 VA-PI-137.100	310 LF	1031+70 VA-PI-141.100	30 LF	1032+00
-------------------------------	----------------------	--------	----------------------	---------	-----------------------	--------	-----------------------	--------	--------------------------	--------	-----------------------	--------	-----------------------	-------	--------------------------	--------	-----------------------	--------	-----------------------	--------	-----------------------	--------	-----------------------	--------	-----------------------	--------	-----------------------	-------	---------

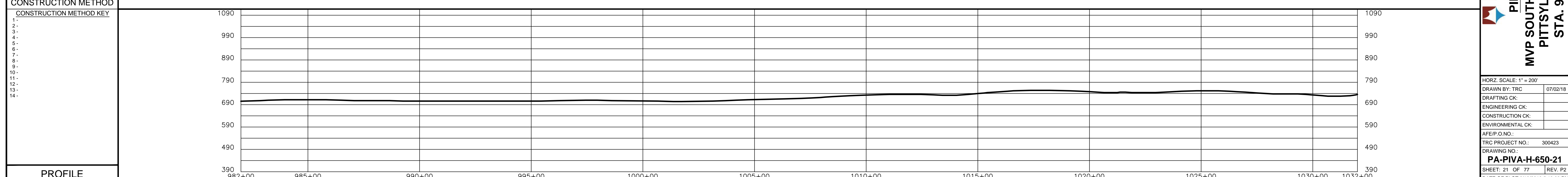
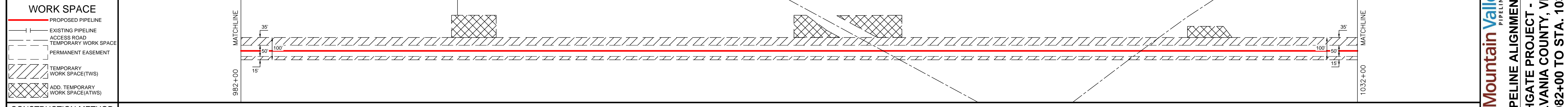
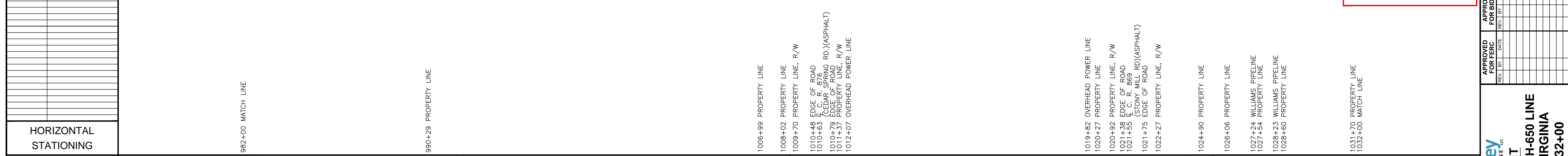
DESIGN	PIPE / COATING
SLOPE DISTANCE	
CLASS LOCATION / HCA	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION
WETLAND / STREAM	



REVISIONS	
REV. NO.	DESCRIPTION
P1	ISSUED FOR REVIEW
P2	REVISED PERC DRAFT

LEGEND	DESCRIPTION
[Symbol]	STUDY CORRIDOR
[Symbol]	PROPOSED 24" PIPELINE
[Symbol]	NON-SURVEYED C.L.
[Symbol]	EXISTING PIPELINE
[Symbol]	PERMANENT EASEMENT
[Symbol]	WORK SPACE LIMITS
[Symbol]	TEMPORARY ACCESS RD
[Symbol]	COUNTY LINE
[Symbol]	PROPERTY LINE
[Symbol]	ROAD RIGHT-OF-WAY
[Symbol]	FENCE LINE
[Symbol]	BURIED FIBER OPTIC
[Symbol]	OVERHEAD POWER
[Symbol]	OVERHEAD TELEPHONE
[Symbol]	C.L. ROAD
[Symbol]	C.L. RAILROAD
[Symbol]	DELINEATED STREAM
[Symbol]	DELINEATED WETLAND
[Symbol]	BARRICADE FENCE
[Symbol]	PROPOSED TEST STATION
[Symbol]	LINE MARKER - VENT PIPE
[Symbol]	POWER/TELE POLE
[Symbol]	TOWER LEG
[Symbol]	GUY ANCHOR
[Symbol]	TREE
[Symbol]	TANK
[Symbol]	GAS VALVE
[Symbol]	WELL - GAS/OIL/WATER
[Symbol]	MONITORING POINT
[Symbol]	POST - GATE/FENCE
[Symbol]	ELEC/GAS/WTR METER
[Symbol]	PEDESTAL - UTILITY
[Symbol]	MH - SANITARY/WATER
[Symbol]	CATCH BASIN - CULVERT
[Symbol]	ROAD ENTRY/EXIT
[Symbol]	ADDITIONAL TEMPORARY WORK SPACE (ATWS)
[Symbol]	ABOVE GROUND FACILITY
[Symbol]	CONTRACTOR YARD

REFERENCE DRAWINGS
DRAWING NO. DESCRIPTION



APPROVED FOR CONSTRUCTION	
REV. NO.	DATE

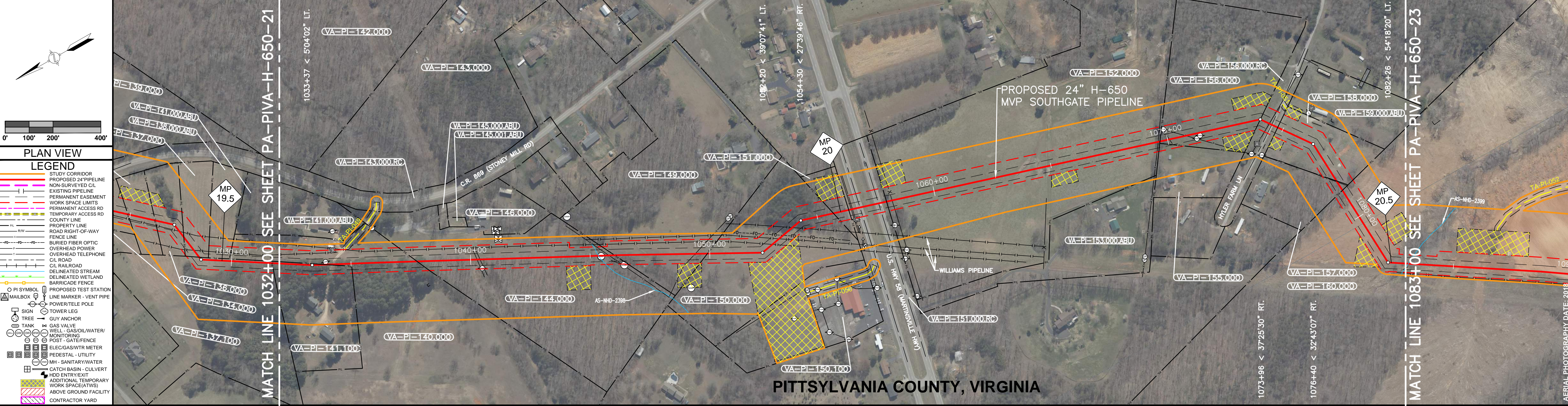
APPROVED FOR PERC	
REV. NO.	DATE

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 982+00 TO STA. 1032+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-650-21
SHEET: 21 OF 77	REV. P2
DATE OF PLOT: 8/18/2018 5:19:09 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		VA-PI-141.000	VA-PI-140.000	VA-PI-144.000	VA-PI-149.000	VA-PI-150.000	VA-PI-151.000	VA-PI-151.000.RC	VA-PI-152.000	VA-PI-156.000	VA-PI-156.000.RC	VA-PI-158.000	VA-PI-157.000	VA-PI-160.000
		1032+00												
		196 LF	380 LF	827 LF	387 LF	579 LF	66 LF	162 LF	1170 LF	430 LF	80 LF	346 LF	46 LF	431 LF

DESIGN															
PIPE / COATING															
SLOPE DISTANCE															
CLASS LOCATION / HCA															
ENVIRONMENTAL															
CONSTRUCTION EXCLUSION															
WETLAND / STREAM	AS-NHD-2398														



PLAN VIEW

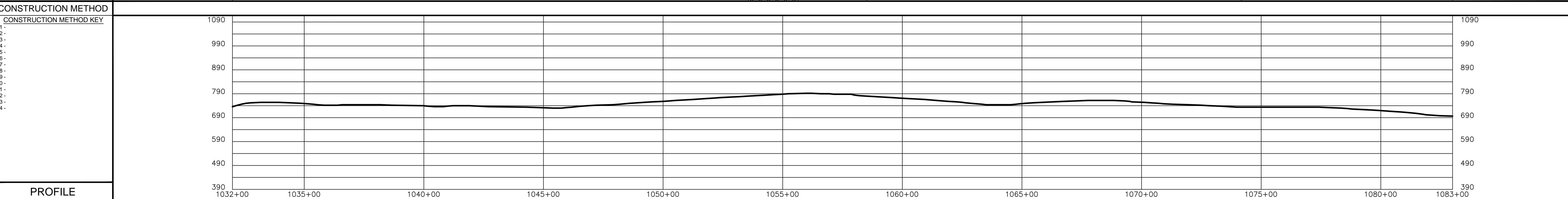
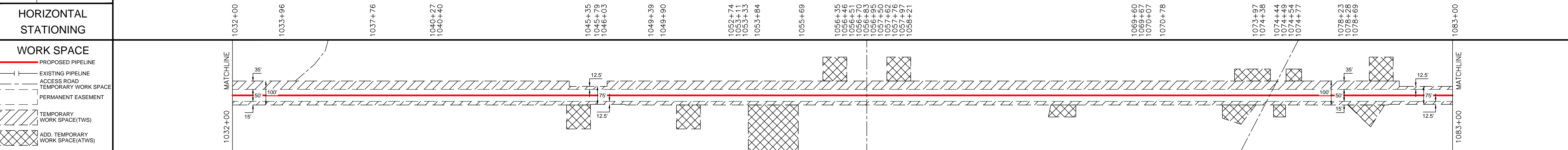
LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- NON-SURVEYED C.L.
- 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
- C.L. ROAD
- C.L. RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- TREE
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER
- MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TW)
- ADDITIONAL TEMPORARY WORK SPACE(ATW)
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
1032+00	MATCH LINE
1033+96	PROPERTY LINE
1037+76	PROPERTY LINE
1040+27	OVERHEAD POWER LINE
1040+40	OVERHEAD POWER LINE
1045+35	Q. STREAM (AS-NHD-2398)
1045+79	FENCE, 5' WIRE
1046+03	PROPERTY LINE
1049+39	FENCE, 5' ELECTRIC
1049+90	PROPERTY LINE
1052+74	TRANSCO PIPELINE
1053+11	TRANSCO PIPELINE
1053+33	BURIED FIBER OPTIC CABLE
1053+84	TRANSCO PIPELINE
1055+69	PROPERTY LINE
1056+35	PROPERTY LINE, R/W
1056+46	FENCE, 5' ELECTRIC
1056+51	OVERHEAD POWER LINE
1056+63	EDGE OF ROAD (HWM 58)
1056+95	EDGE OF ROAD (HWM 58) (WBL) (ASPHALT)
1057+50	EDGE OF ROAD
1057+62	EDGE OF ROAD (HWM 58) (EBL) (ASPHALT)
1057+69	PROPERTY LINE, R/W
1058+21	FENCE, 4' WOOD
1069+60	FENCE, 4' HOG AND BARBED WIRE
1069+67	PROPERTY LINE
1070+07	OVERHEAD POWER LINE
1070+78	OVERHEAD POWER LINE
1073+97	PROPERTY LINE, R/W
1074+38	OVERHEAD POWER LINE
1074+44	EDGE OF ROAD (HWM 58) (WBL) (ASPHALT)
1074+59	EDGE OF ROAD (HWM 58) (EBL) (ASPHALT)
1074+77	PROPERTY LINE, R/W
1078+23	PROPERTY LINE
1078+68	PROPERTY LINE
1083+00	MATCH LINE

FERC DRAFT



REVISIONS		MATERIAL SUMMARY		APPROVED FOR CONSTRUCTION	
REV.	BY	DATE	DESCRIPTION	REV.	DATE
P1	TRC	08/13/18	ISSUED FOR REVIEW		
P2	TRC	08/20/18	FERC DRAFT		

APPROVED FOR BIDDING	
REV.	DATE

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 1032+00 TO STA. 1083+00

HORZ. SCALE: 1" = 200'

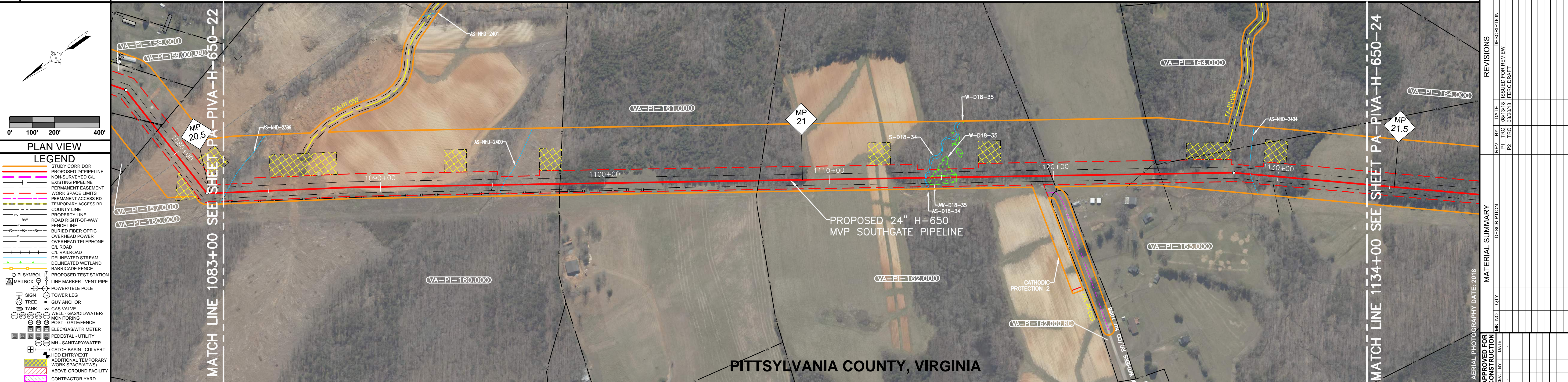
DRAWN BY: TRC 07/02/18
DRAFTING CK:
ENGINEERING CK:
CONSTRUCTION CK:
ENVIRONMENTAL CK:

AFE/P.O. NO.:
TRC PROJECT NO.: 300423
DRAWING NO.:
PA-PVA-H-650-22
SHEET: 22 OF 77 REV. P2
DATE OF PLOT: 8/18/2018 5:19:28 PM

RIGHT-OF-WAY & OWNERSHIP DATA	1083+00	1098+00	1106+86	1119+89	1134+00
	1500 LF	886 LF	1303 LF	1411 LF	

DESIGN	PIPE / COATING	
	SLOPE DISTANCE	
	CLASS LOCATION / HCA	

ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
	WETLAND / STREAM	AS-NHD-2399 AS-NHD-2400 AS-D18-34 AW-D18-35 AS-NHD-2404

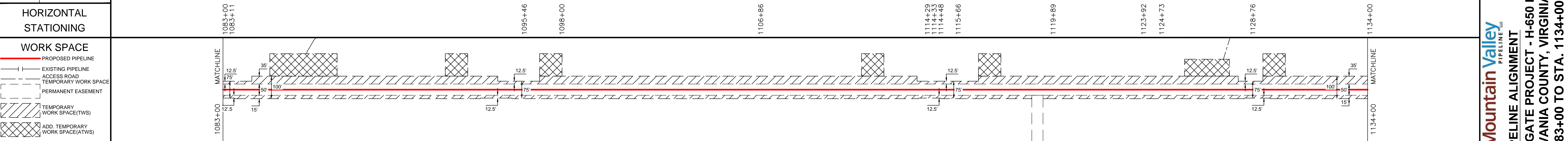


PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED 24" PIPELINE
- NON-SURVEYED C/L
- 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
- C/L ROAD
- C/L RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER/MONITORING
- POST - GATE FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS	
DRAWING NO.	DESCRIPTION



REVISIONS	REV. BY	DATE	DESCRIPTION
	P1	08/13/18	ISSUED FOR REVIEW
MATERIAL SUMMARY	MATERIAL	QTY.	DESCRIPTION
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. 1083+00 TO STA. 1134+00

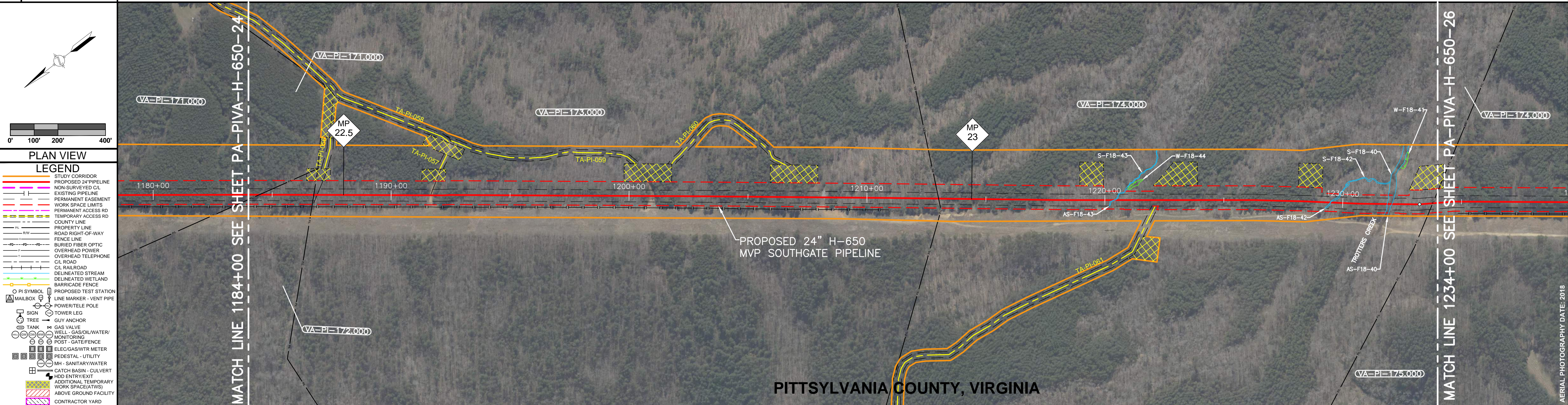
HORZ. SCALE: 1" = 200'

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-650-23		
SHEET: 23 OF 77	REV. P2	
DATE OF PLOT: 8/18/2018 5:19:47 PM		

RIGHT-OF-WAY & OWNERSHIP DATA	1184+00	1184+46	1186+75	1213+01	1233+79	1234+00
VA-PI-171.000	46 LF	229 LF	2626 LF	2078 LF	21 LF	

DESIGN	PIPE / COATING	SLOPE DISTANCE	CLASS LOCATION / HCA

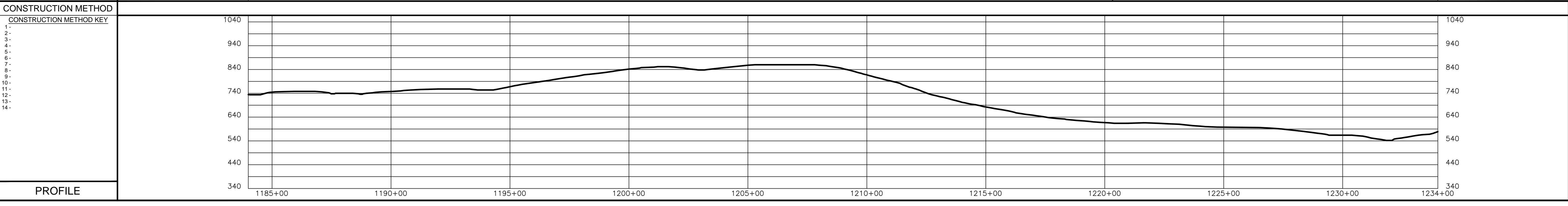
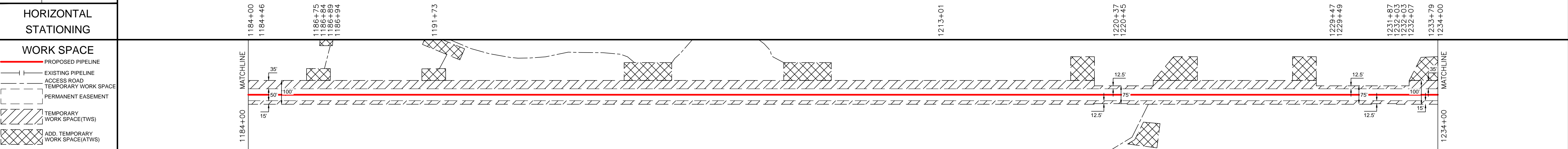
ENVIRONMENTAL	CONSTRUCTION EXCLUSION	WETLAND / STREAM



PLAN VIEW

- LEGEND**
- STUDY CORRIDOR
 - PROPOSED 24" PIPELINE
 - NON-SURVEYED C.L.
 - 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
 - C.L. ROAD
 - C.L. RAILROAD
 - DELINEATED STREAM
 - DELINEATED WETLAND
 - BARRICADE FENCE
 - PROPOSED TEST STATION
 - PI SYMBOL
 - MAILBOX
 - SIGN
 - TREE
 - TANK
 - WELL - GAS/OIL/WATER/ MONITORING
 - POST - GATE FENCE
 - ELEC/GAS/WTR METER
 - PEDESTAL - UTILITY
 - MH - SANITARY/WATER
 - CATCH BASIN - CULVERT
 - ROAD ENTRY/EXIT
 - ADDITIONAL TEMPORARY WORK SPACE(TWS)
 - ABOVE GROUND FACILITY
 - CONTRACTOR YARD

REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION



REVISIONS		
REV. NO.	DATE	DESCRIPTION
P1	08/31/18	ISSUED FOR REVIEW
P2	09/20/18	FERC DRAFT

APPROVED FOR CONSTRUCTION		
REV. BY	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 1184+00 TO STA. 1234+00

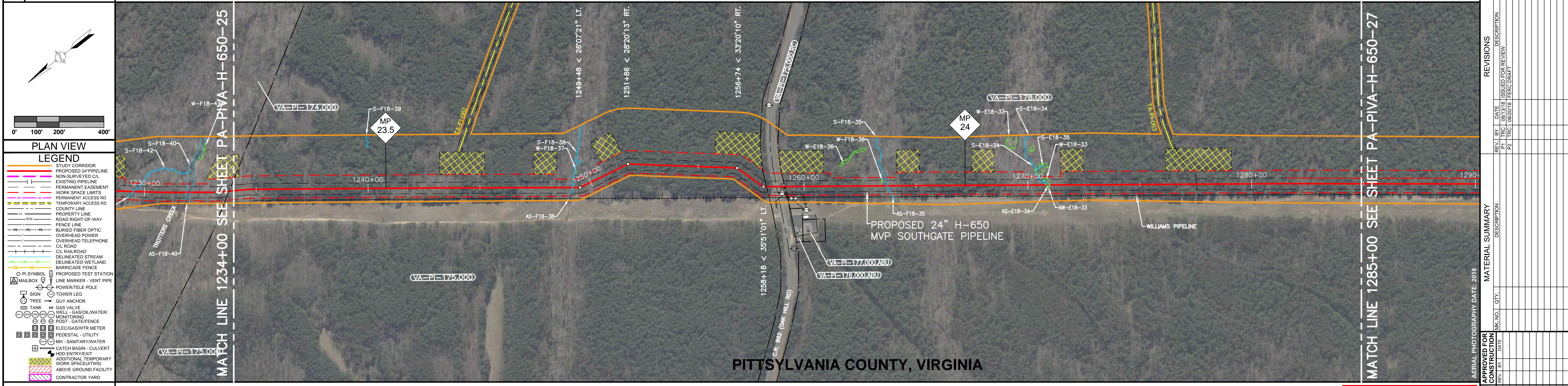
HORZ. SCALE: 1" = 200'

DRAWN BY:	TRC	DATE:	07/02/18
DRAFTING CK:			
ENGINEERING CK:			
CONSTRUCTION CK:			
ENVIRONMENTAL CK:			
AFE/PO NO.:			
TRC PROJECT NO.:	300423		
DRAWING NO.:			
PA-PIVA-H-650-25			
SHEET:	25 OF 77	REV. P2	
DATE OF PLOT: 8/18/2018 5:20:28 PM			

RIGHT-OF-WAY & OWNERSHIP DATA		1234+00	VA-PI-175.000 2432 LF		1258+32 VA-PI-175.000.RC 82 LF	1259+14	VA-PI-178.000 2586 LF		1285+00
-------------------------------	--	---------	--------------------------	--	--------------------------------------	---------	--------------------------	--	---------

DESIGN	PIPE / COATING	
	SLOPE DISTANCE	
	CLASS LOCATION / HCA	

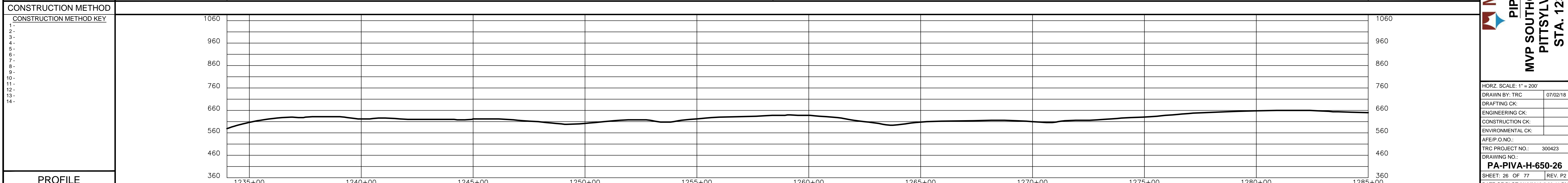
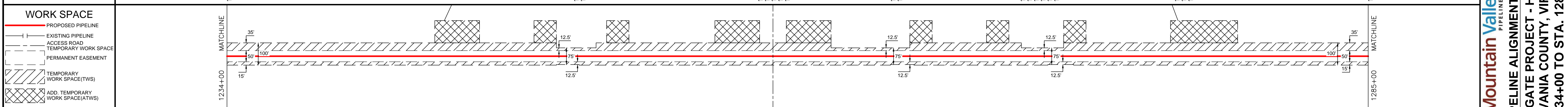
ENVIRONMENTAL	CONSTRUCTION EXCLUSION					
	WETLAND / STREAM	<table border="1"> <tr> <td>S-F18-38 5 LF</td> <td>S-F18-35 7 LF</td> <td>AW-E18-33 8 LF</td> <td>AS-E18-34 5 LF</td> <td>W-E18-33 5 LF</td> </tr> </table>	S-F18-38 5 LF	S-F18-35 7 LF	AW-E18-33 8 LF	AS-E18-34 5 LF
S-F18-38 5 LF	S-F18-35 7 LF	AW-E18-33 8 LF	AS-E18-34 5 LF	W-E18-33 5 LF		



REFERENCE DRAWINGS	
DRAWING NO.	DESCRIPTION

FERC DRAFT

HORIZONTAL STATIONING		1234+00 MATCH LINE	1285+00 MATCH LINE
-----------------------	--	--------------------	--------------------



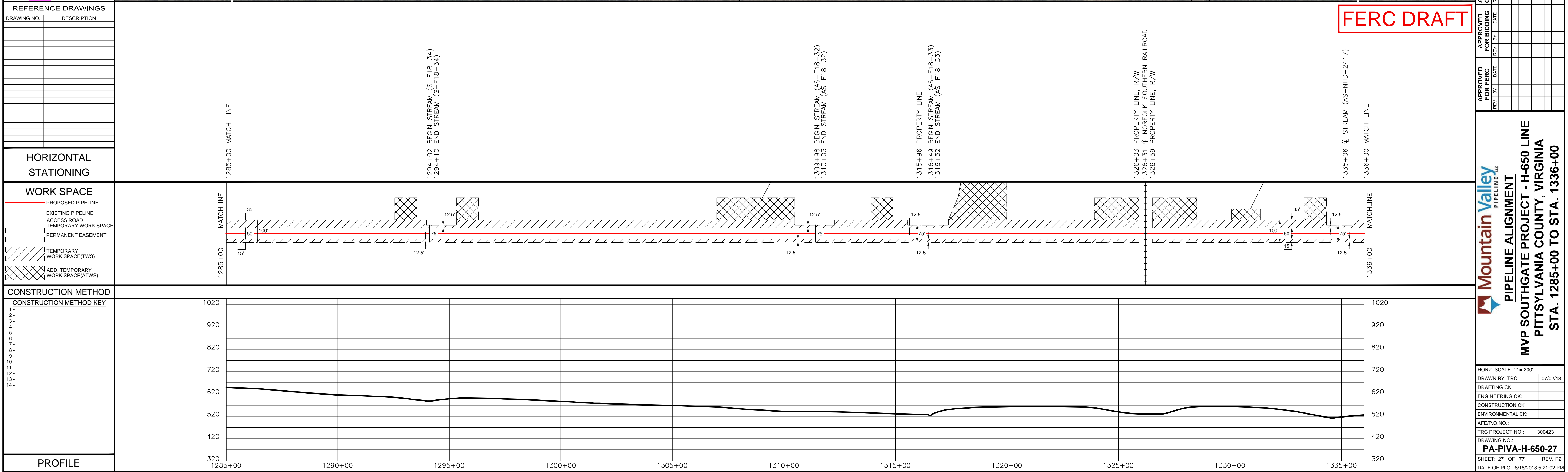
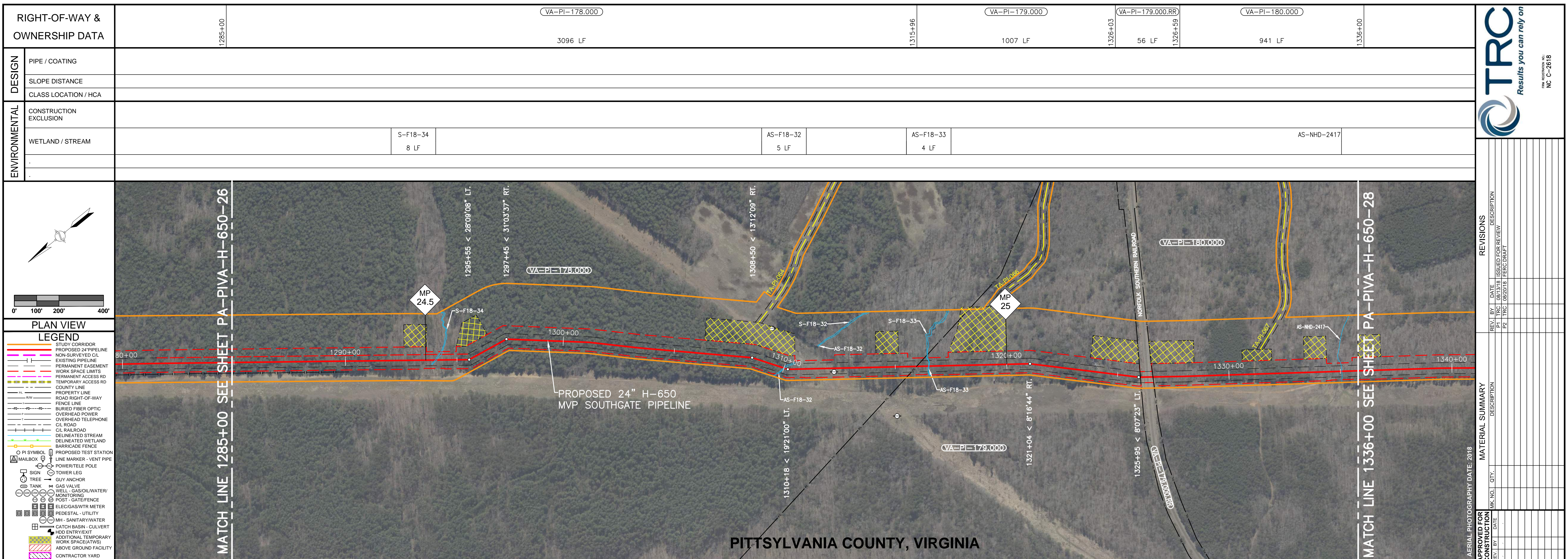
PROFILE

REVISIONS	
REV. BY	DATE

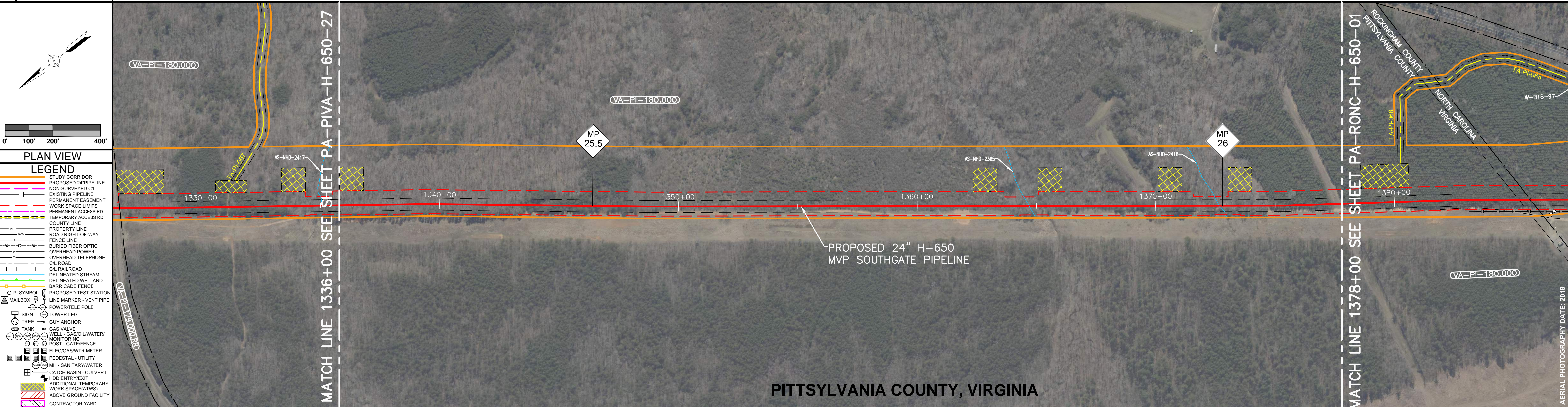
MATERIAL SUMMARY	
DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION	
REV. BY	DATE

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-650-26	
SHEET: 26 OF 77	REV. P2
DATE OF PLOT: 8/18/2018 5:20:41 PM	

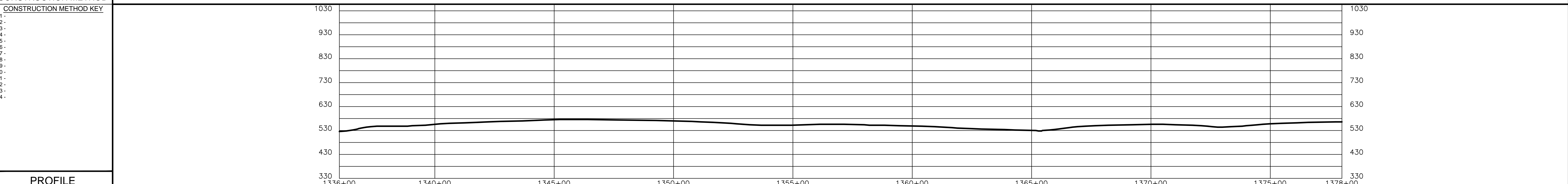
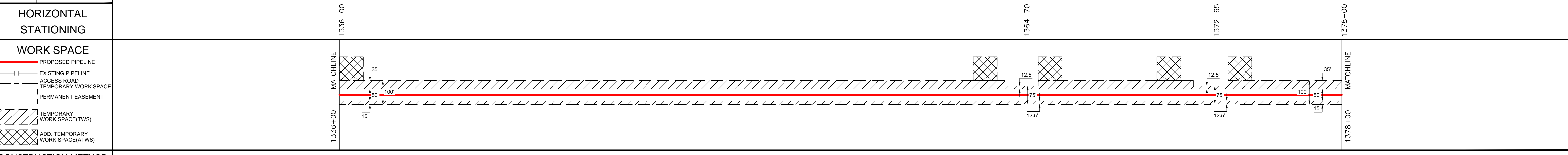


RIGHT-OF-WAY & OWNERSHIP DATA	4200 LF	VA-PI-180.000
DESIGN	PIPE / COATING	
	SLOPE DISTANCE	
	CLASS LOCATION / HCA	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
	WETLAND / STREAM	AS-NHD-2365 AS-NHD-2418



PITTSYLVANIA COUNTY, VIRGINIA

DRAWING NO.	DESCRIPTION



PROFILE	1336+00	1340+00	1345+00	1350+00	1355+00	1360+00	1365+00	1370+00	1375+00	1378+00
---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------

FERC DRAFT

REVISIONS

REV. BY	DATE	DESCRIPTION
P1	08/13/18	ISSUED FOR REVIEW
P2	08/20/18	FERC DRAFT

MATERIAL SUMMARY

DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE

APPROVED FOR BIDDING

REV. BY	DATE

AERIAL PHOTOGRAPHY DATE: 2018

PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
PITTSYLVANIA COUNTY, VIRGINIA
STA. 1336+00 TO STA. 1378+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-650-28		
SHEET: 28 OF 77	REV. P2	
DATE OF PLOT: 8/18/2018 5:21:22 PM		