| RIGHT-OF-WAY & OWNERSHIP DATA | | |

RIGHT-OF-WAY & OWNERSHIP DATA

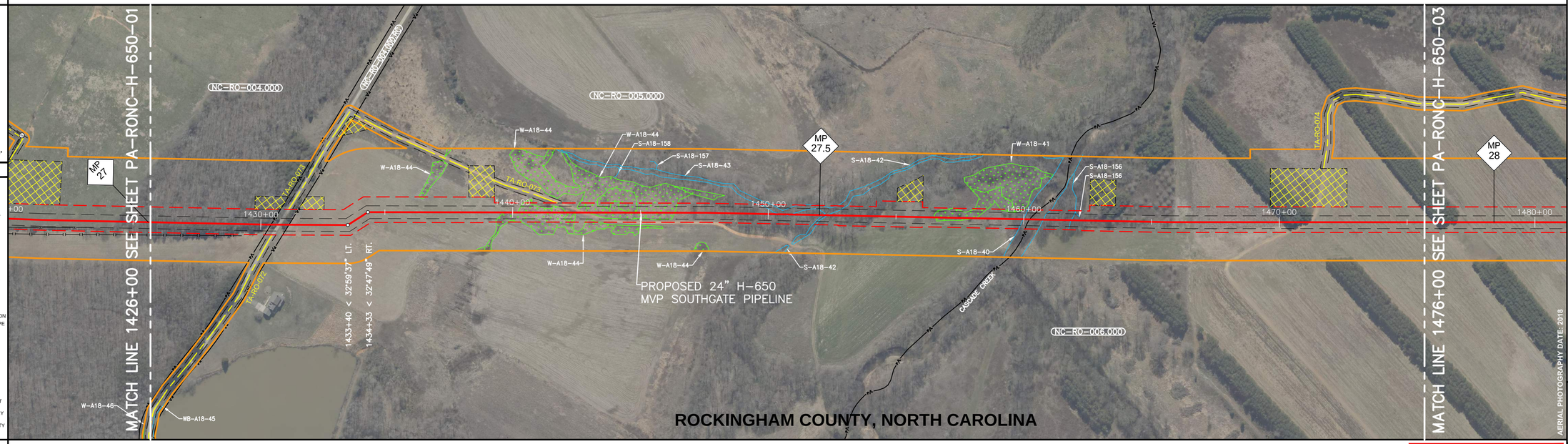
	1426+00	NC-RO-004.000	1430+40	NC-RO-004.000.RC	1431+10	NC-RO-005.000	1460+23	NC-RO-006.000	1476+00
		440 LF		70 LF		2913 LF		1577 LF	

DESIGN

PIPE / COATING	
SLOPE DISTANCE	
CLASS LOCATION / HCA	

ENVIRONMENTAL

CONSTRUCTION EXCLUSION																				
WETLAND / STREAM		W-A18-44 246 LF			W-A18-44 338 LF			S-A18-43 32 LF		S-A18-42 18 LF			W-A18-41 154 LF			S-A18-40 79 LF		S-A18-156	
.																				
.																				



0' 100' 200' 400'

PLAN VIEW

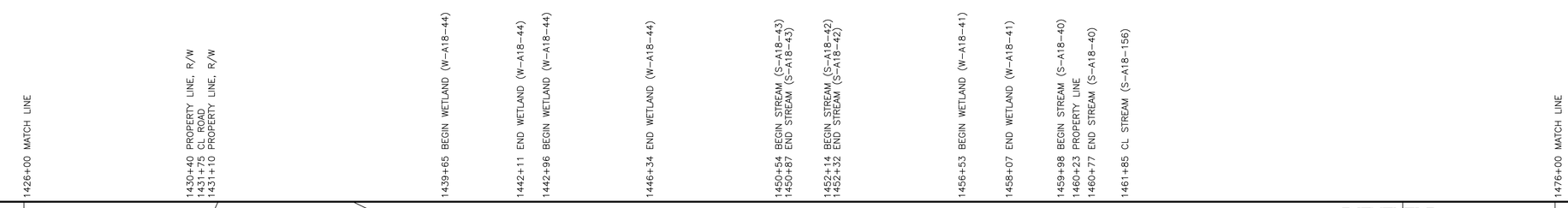
LEGEND

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

REFERENCE DRAWINGS

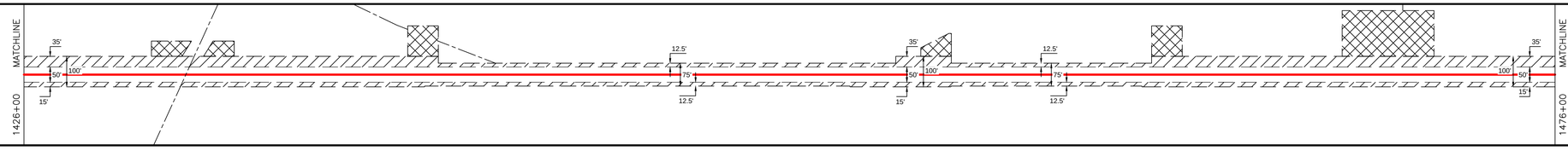
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING



WORK SPACE

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

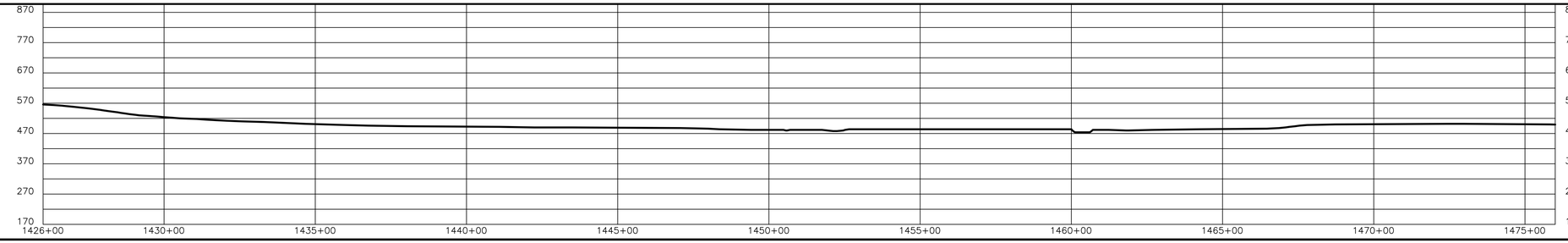


CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

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

Mountain Valley PIPELINE LLC

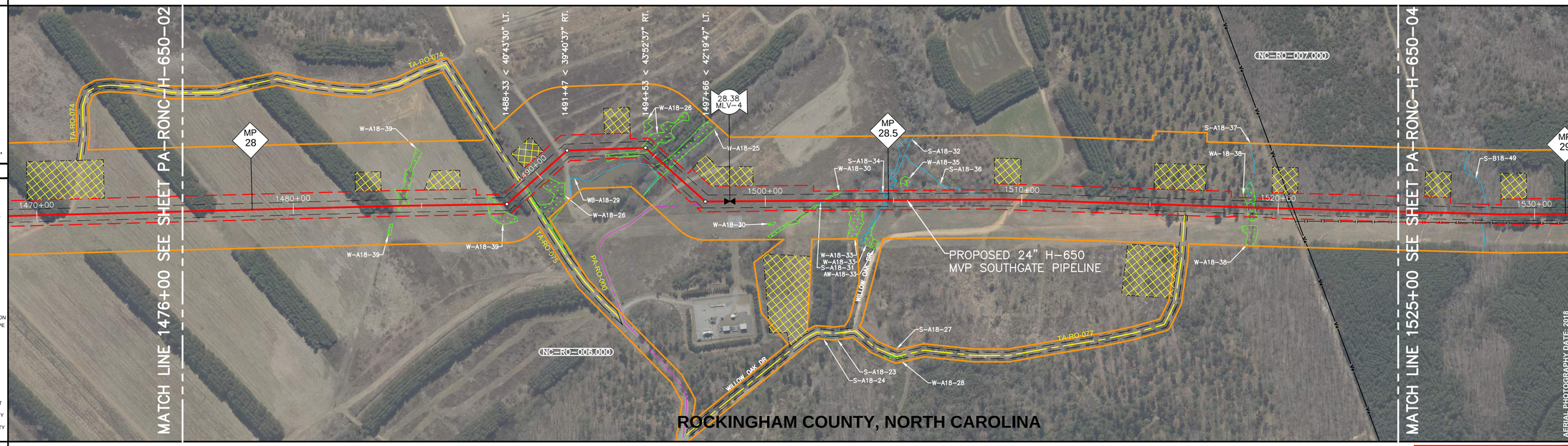
PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1426+00 TO STA. 1476+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-RONC-H-650-02
SHEET: 30 OF 77	REV: P2
DATE OF PLOT:8/18/2018 5:03:23 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

		1476+00	NC–RO–006.000	1520+59	NC–RO–007.000	1525+00
			4459 LF		441 LF	
DESIGN	PIPE / COATING					
	SLOPE DISTANCE					
	CLASS LOCATION / HCA					
ENVIRONMENTAL	CONSTRUCTION EXCLUSION					
	WETLAND / STREAM	W–A18–39 45 LF; W–A18–39 39 LF; W–A18–26 9 LF; W–A18–26 43 LF; W–A18–25 41 LF; W–A18–30 5 LF; S–A18–32 7 LF; W–A18–38 29 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
- 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
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

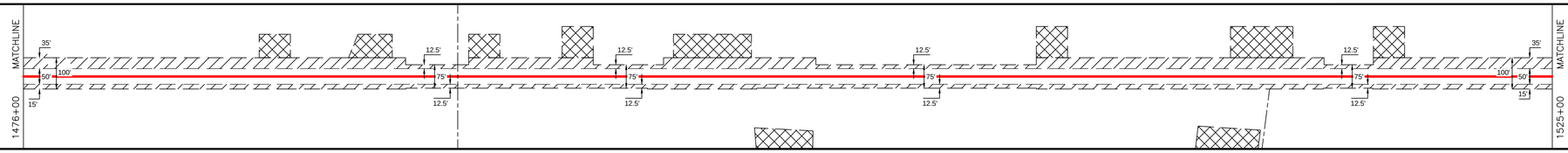
REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

1476+00	MATCH LINE
1484+07	BEGIN WETLAND (W–A18–39)
1484+52	END WETLAND (W–A18–39)
1487+57	BEGIN WETLAND (W–A18–39)
1487+96	END WETLAND (W–A18–39)
1489+28	BEGIN WETLAND (W–A18–26)
1489+37	END WETLAND (W–A18–26)
1494+32	BEGIN WETLAND (W–A18–26)
1494+75	END WETLAND (W–A18–26)
1495+37	BEGIN WETLAND (W–A18–25)
1495+78	END WETLAND (W–A18–25)
1502+31	BEGIN WETLAND (W–A18–30)
1502+36	END WETLAND (W–A18–30)
1504+62	BEGIN STREAM (S–A18–32)
1504+69	END STREAM (S–A18–32)
1518+79	BEGIN WETLAND (W–A18–38)
1519+08	END WETLAND (W–A18–38)
1520+45	FENCE, 6' CHAIN LINK WITH BARB
1520+59	PROPERTY LINE
1525+00	MATCH LINE

WORK SPACE



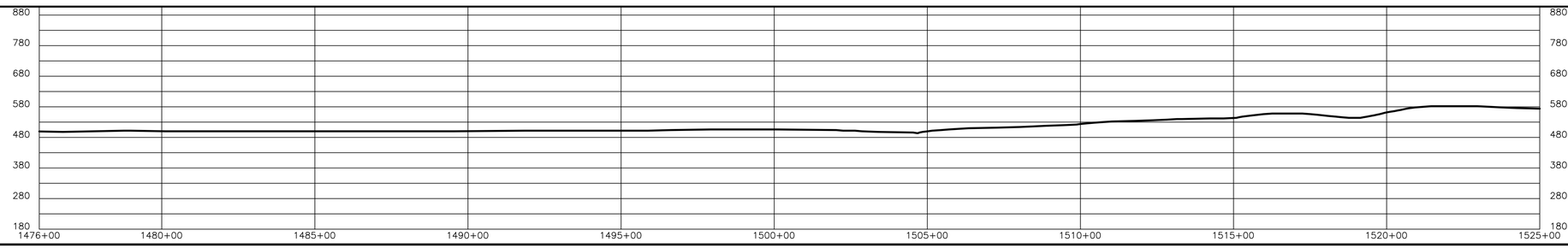
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

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

Mountain Valley PIPELINE LLC

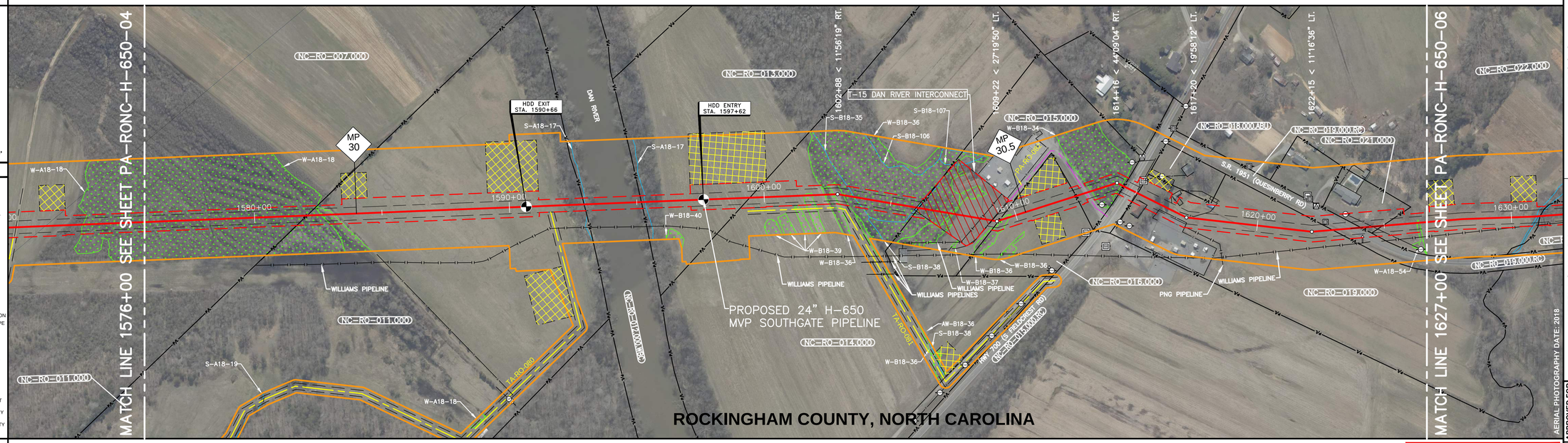
PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1476+00 TO STA. 1525+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-RONC-H-650-03
SHEET: 31 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:03:53 PM	

| | | |

RIGHT-OF-WAY & OWNERSHIP DATA	1576+00	NC-RO-007.000 606 LF	1582+06	NC-RO-011.000 1087 LF	1592+93	NC-RO-012.000.WBC 225 LF	1595+18	NC-RO-013.000 425 LF	1599+43	NC-RO-014.000 668 LF	1606+11	NC-RO-015.000 320 LF	1609+31	NC-RO-016.000 316 LF	1612+47	NC-RO-015.000 199 LF	1614+46	NC-RO-015.000.RC 61 LF	1615+07	NC-RO-019.000 790 LF	1622+97	NC-RO-019.000.RC 112 LF	1624+09	NC-RO-021.000 85 LF	1624+94	NC-RO-022.000 206 LF	1627+00
DESIGN: PIPE / COATING																											
DESIGN: SLOPE DISTANCE																											
DESIGN: CLASS LOCATION / HCA																											
ENVIRONMENTAL: CONSTRUCTION EXCLUSION																											
ENVIRONMENTAL: WETLAND / STREAM		W-A18-18 710 LF				S-A18-17 237 LF		W-B18-39 30 LF		W-B18-36 36 LF		W-B18-36 43 LF		S-B18-35 1 LF		W-B18-36 252 LF		S-B18-35 1 LF		W-B18-36 138 LF		NJD-B18-4 1 LF		W-B18-36 30 LF		W-B18-34 125 LF				W-A18-54 10.24 LF	
ENVIRONMENTAL: .																											
ENVIRONMENTAL: .																											



PLAN VIEW

0' 100' 200' 400'

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

REFERENCE DRAWINGS

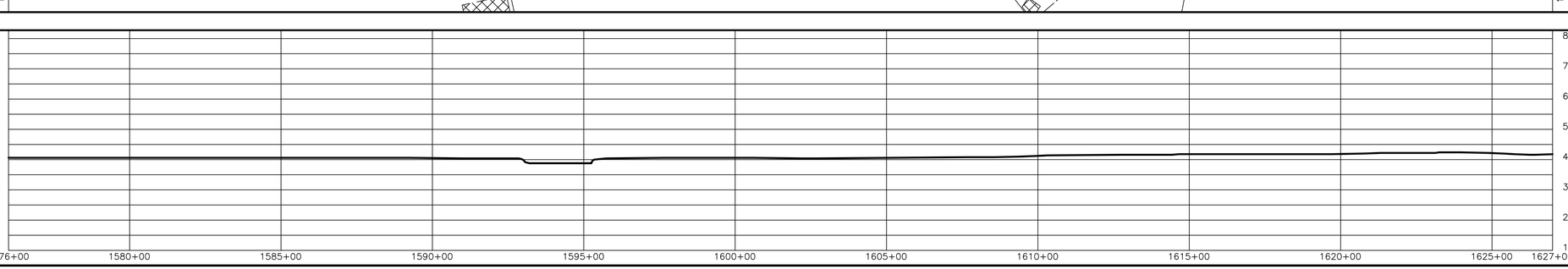
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

1576+00	MATCH LINE
1582+06	PROPERTY LINE
1582+07	FENCE, 4" BARBED WIRE
1583+10	END WETLAND (W-A18-18)
1590+66	HDD EXIT
1592+93	PROPERTY LINE
1592+95	BEGIN RIVER(S-A18-17)
1593+10	EDGE OF WATER
1594+16	CL DAN RIVER
1595+18	PROPERTY LINE
1595+23	EDGE OF WATER
1595+33	END RIVER(S-A18-17)
1597+62	HDD ENTRY
1599+43	PROPERTY LINE
1601+58	BEGIN WETLAND (W-B18-39)
1601+88	END WETLAND (W-B18-39)
1602+37	BEGIN WETLAND (W-B18-36)
1602+73	END WETLAND (W-B18-36)
1603+11	BEGIN WETLAND (W-B18-36)
1603+54	CL STREAM (S-B18-35)
1606+06	CL STREAM (S-B18-35)
1606+11	PROPERTY LINE
1607+49	END WETLAND (W-B18-36)
1608+49	CL STREAM (NJD-B18-4)
1608+58	WILLIAMS PIPELINE
1608+98	EDGE OF ROAD (GRAVEL)
1609+03	CL ACCESS RD
1609+09	EDGE OF ROAD
1609+31	PROPERTY LINE
1609+44	BEGIN WETLAND (W-B18-36)
1609+74	END WETLAND (W-B18-36)
1612+47	PROPERTY LINE
1612+79	EDGE OF ROAD (GRAVEL)
1612+87	CL ACCESS RD
1613+11	BEGIN WETLAND (W-B18-34)
1614+36	END WETLAND (W-B18-34)
1614+48	PROPERTY LINE, R/W
1614+77	CL HWY 700 (S. FIELDCREST RD)
1615+01	OVERHEAD POWER LINE
1615+07	PROPERTY LINE, R/W
1622+97	PROPERTY LINE, R/W
1623+68	CL QUISENBERRY RD
1624+09	PROPERTY LINE, R/W
1624+54	OVERHEAD POWER LINE
1624+94	PROPERTY LINE
1626+27	BEGIN WETLAND (W-A18-54)
1626+37	END WETLAND (W-A18-54)
1627+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 -

PROFILE

FERC DRAFT

AERIAL PHOTOGRAPHY DATE: 2018

TRC Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

APPROVED FOR CONSTRUCTION		
REV.	BY	DATE
-	-	-

APPROVED FOR BIDDING		
REV.	BY	DATE
-	-	-

APPROVED FOR FERC		
REV.	BY	DATE
-	-	-

Mountain Valley PIPELINE LLC

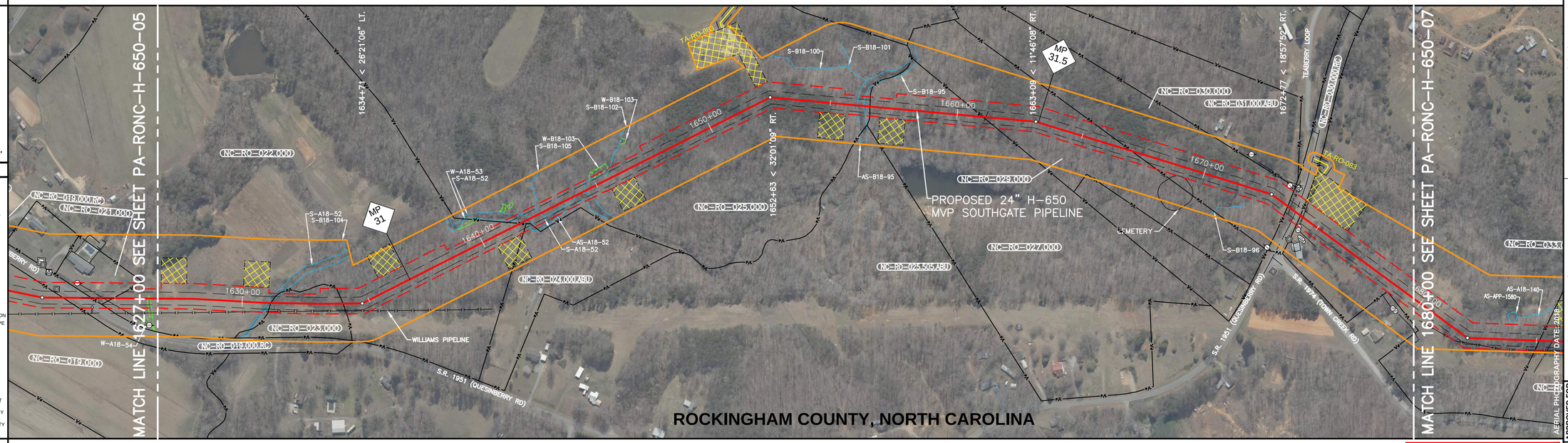
PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1576+00 TO STA. 1627+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-RONC-H-650-05
SHEET: 33 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:04:41 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

	1627+00	NC-RO-022.000 412 LF	1631+12	NC-RO-023.000 284 LF	1633+96	NC-RO-022.000 770 LF	1641+66	NC-RO-025.000 1490 LF	1656+56	NC-RO-027.000 444 LF	1661+00	NC-RO-029.000 601 LF	1667+01	NC-RO-030.000 654 LF	1673+55	NC-RO-030.000.RO 62 LF	1674+17	NC-RO-033.000 583 LF	1680+00
DESIGN – PIPE / COATING																			
DESIGN – SLOPE DISTANCE																			
DESIGN – CLASS LOCATION / HCA																			
ENVIRONMENTAL – CONSTRUCTION EXCLUSION																			
ENVIRONMENTAL – WETLAND / STREAM			S-A18-52 12 LF				S-A18-52 35 LF	S-B18-105	S-B18-102			S-B18-95 28 LF							
ENVIRONMENTAL – .																			
ENVIRONMENTAL – .																			



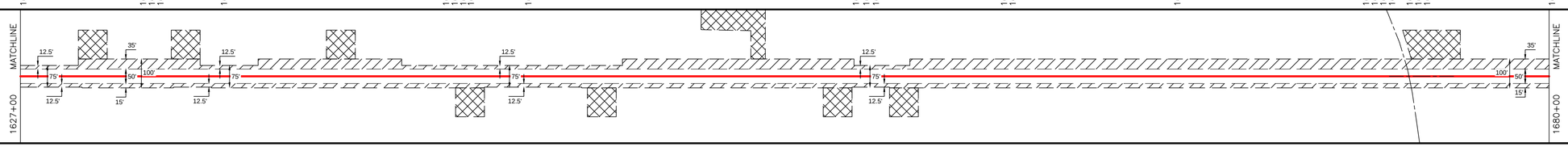
LEGEND

- 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/OILWATER/ MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING



WORK SPACE

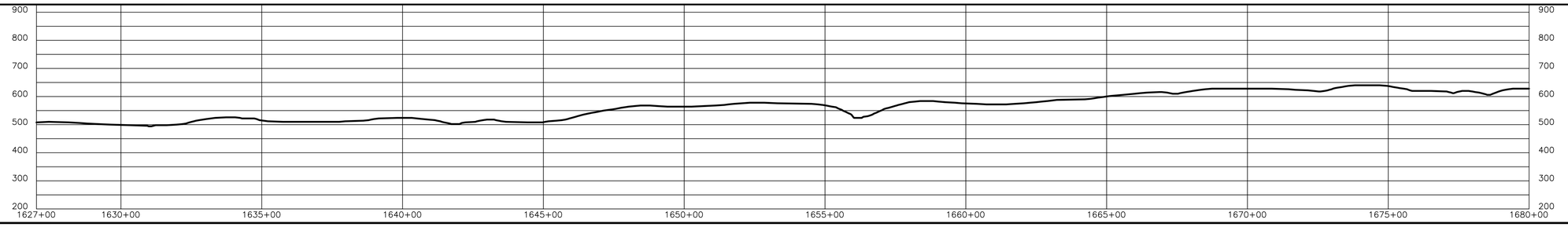
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-1
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

APPROVED FOR CONSTRUCTION	REV.	BY	DATE
	-	-	-

APPROVED FOR BIDDING	REV.	BY	DATE
	-	-	-

APPROVED FOR FERC	REV.	BY	DATE
	-	-	-

Mountain Valley PIPELINE, LLC

PIPELINE ALIGNMENT

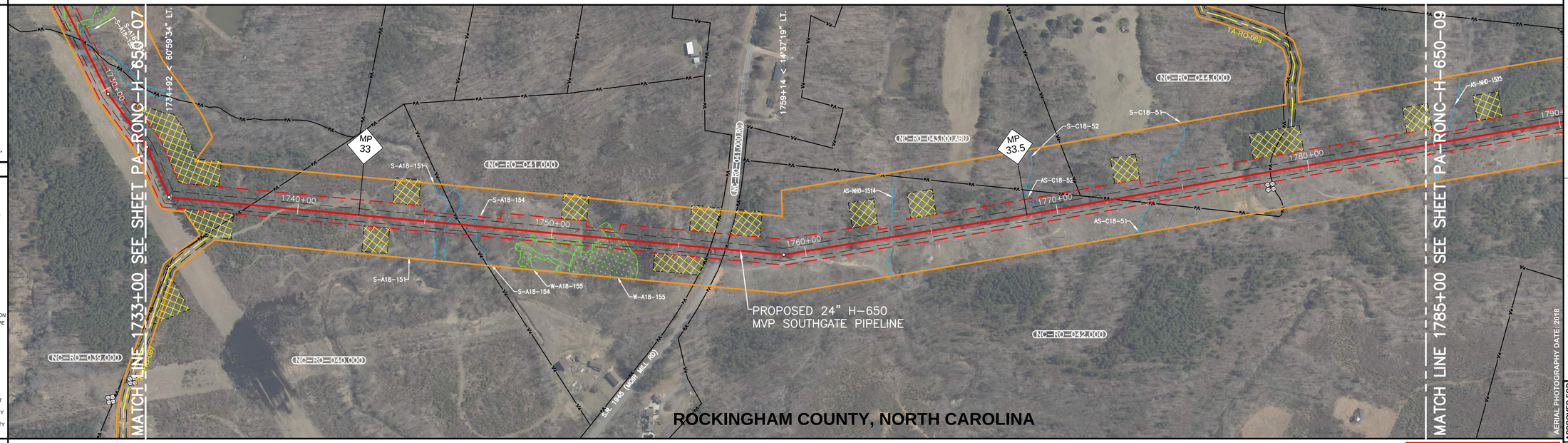
MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1627+00 TO STA. 1680+00

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-RONC-H-650-06
SHEET: 34 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:04:54 PM	

| | | |

RIGHT-OF-WAY & OWNERSHIP DATA

	1733+00	NC-RO-039.000	1738+15	NC-RO-040.000	1746+42	NC-RO-041.000	1756+23	NC-RO-041.000.RC	1756+85	NC-RO-042.000	1772+27	NC-RO-044.000	1778+50	NC-RO-042.000	1785+00
		515 LF		827 LF		981 LF		62 LF		1542 LF		623 LF		650 LF	
DESIGN – PIPE / COATING															
DESIGN – SLOPE DISTANCE															
DESIGN – CLASS LOCATION / HCA															
ENVIRONMENTAL – CONSTRUCTION EXCLUSION															
ENVIRONMENTAL – WETLAND / STREAM			S-A18-151 48 LF	S-A18-154		W-A18-155 68 LF		AS-NHD-1514		AS-C18-52		S-C18-51			
ENVIRONMENTAL – .															
ENVIRONMENTAL – .															



0' 100' 200' 400'

PLAN VIEW

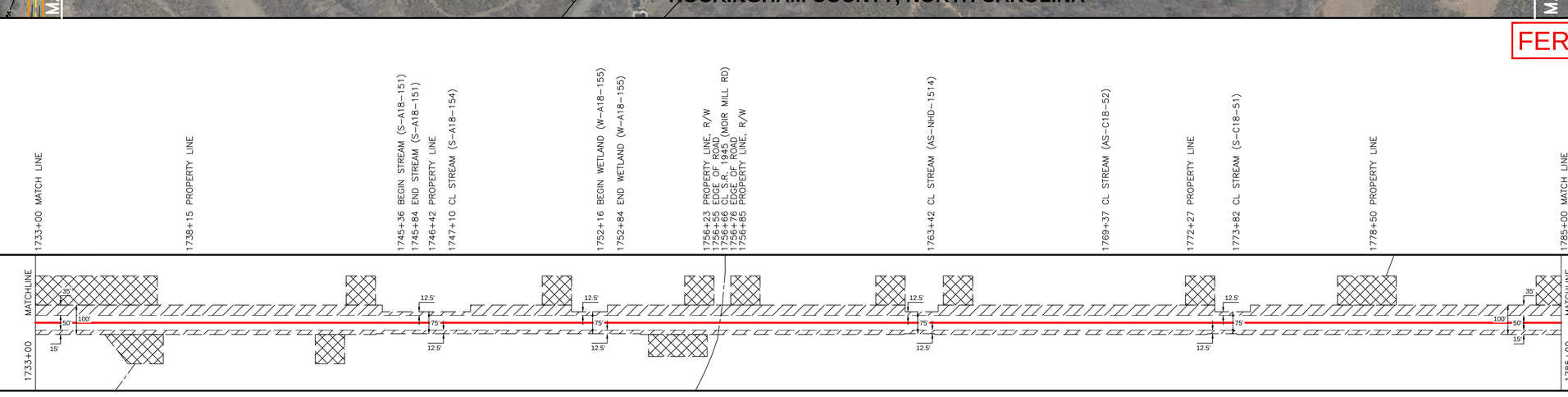
LEGEND

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

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING



WORK SPACE

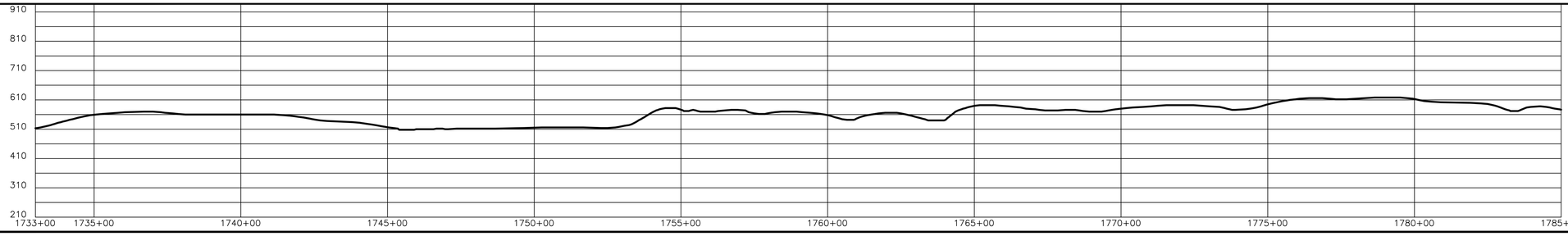
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

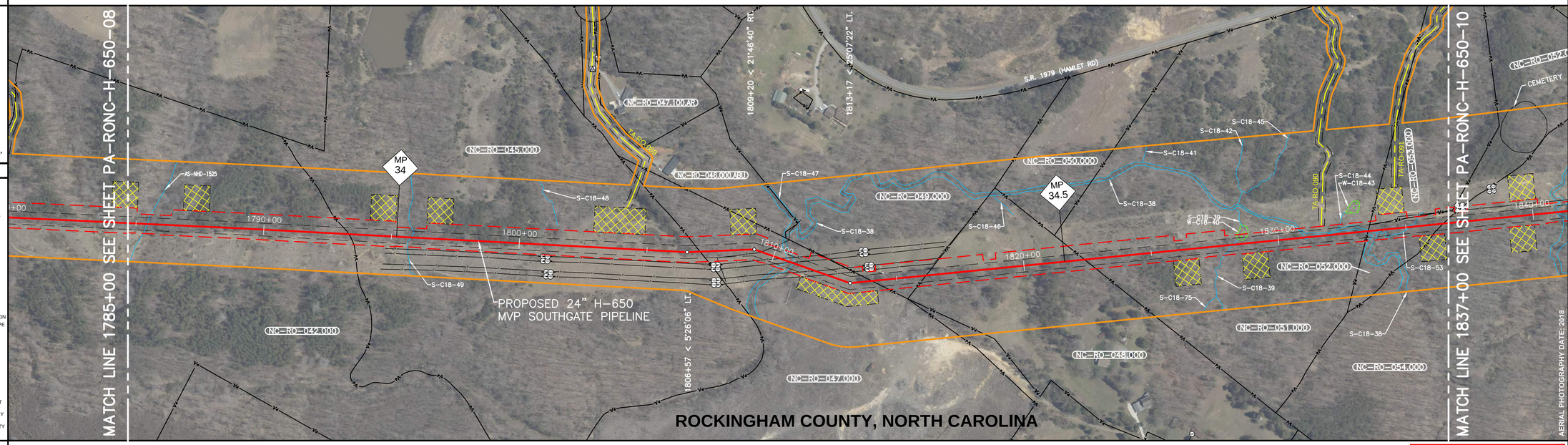
APPROVED FOR CONSTRUCTION			APPROVED FOR BIDDING			APPROVED FOR FERC		
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
-	-	-	-	-	-	-	-	-

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1733+00 TO STA. 1785+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-RONC-H-650-08
SHEET: 36 OF 77	REV: P2
DATE OF PLOT:8/18/2018 5:05:25 PM	

RIGHT-OF-WAY & OWNERSHIP DATA	1785+00	NC-RO-042.000	1793+33	NC-RO-045.000	1807+08	NC-RO-047.000	1814+02	NC-RO-049.000	1816+15	NC-RO-048.000	1822+38	NC-RO-051.000	1833+52	NC-RO-052.000	1836+47	NC-RO-054.000	1837+00
		833 LF		1375 LF		694 LF		213 LF		623 LF		1114 LF		295 LF		53 LF	
DESIGN – PIPE / COATING																	
DESIGN – SLOPE DISTANCE																	
DESIGN – CLASS LOCATION / HCA																	
ENVIRONMENTAL – CONSTRUCTION EXCLUSION																	
ENVIRONMENTAL – WETLAND / STREAM		AS-NHD-1525	S-C18-49			S-C18-38 25 LF		S-C18-39				S-C18-38 20 LF	S-C18-38 30 LF	S-C18-53			
ENVIRONMENTAL – .																	
ENVIRONMENTAL – .																	



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

REFERENCE DRAWINGS

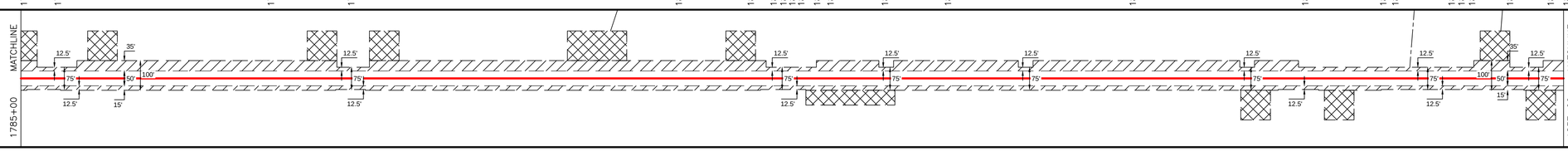
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

1785+00 MATCH LINE
1785+44 CL STREAM (AS-NHD-1525)
1793+33 PROPERTY LINE
1795+77 CL STREAM (S-C18-49)
1807+08 PROPERTY LINE
1809+50 FENCE, 2' WIRE
1810+27 OVERHEAD POWER LINE
1810+60 BEGIN STREAM (S-C18-38)
1810+73 OVERHEAD POWER LINE
1810+83 END STREAM (S-C18-38)
1811+74 OVERHEAD POWER LINE
1812+19 OVERHEAD POWER LINE
1814+02 PROPERTY LINE
1816+15 PROPERTY LINE
1822+38 PROPERTY LINE
1828+19 CL STREAM (S-C18-39)
1831+03 BEGIN STREAM (S-C18-38)
1831+23 END STREAM (S-C18-38)
1833+31 BEGIN STREAM (S-C18-38)
1833+52 PROPERTY LINE
1833+61 END STREAM (S-C18-38)
1835+10 CL STREAM (S-C18-53)
1836+47 PROPERTY LINE
1837+00 MATCH LINE

WORK SPACE

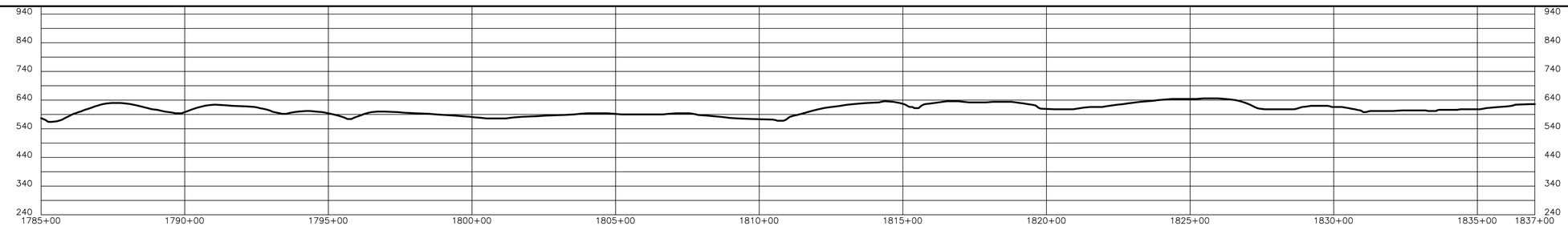
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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



PROFILE

FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

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
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1785+00 TO STA. 1837+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-RONC-H-650-09
SHEET: 37 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:05:45 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

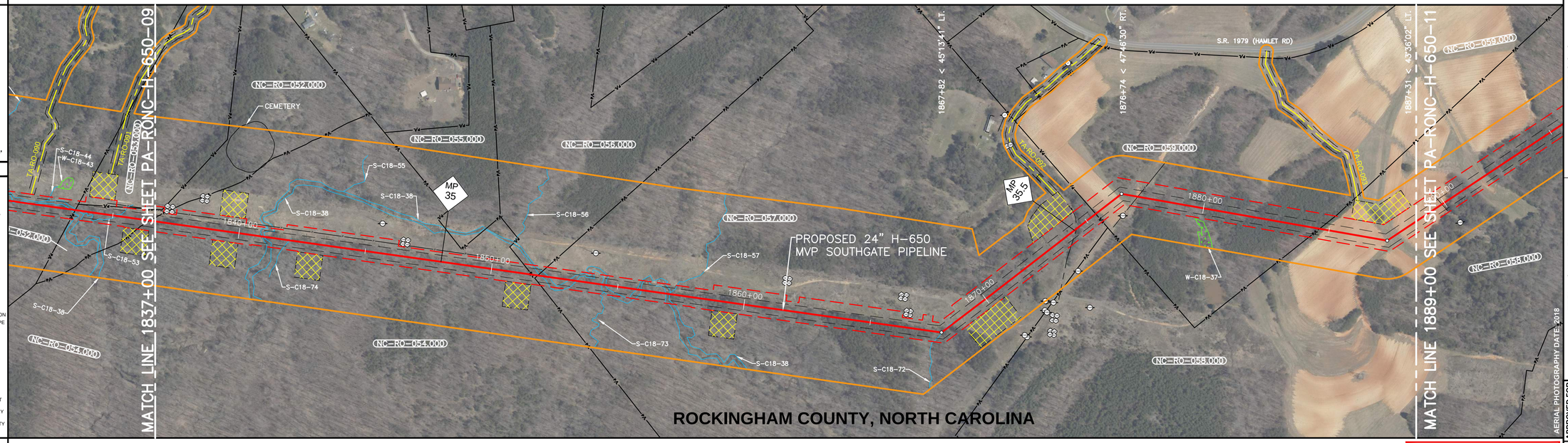
	1837+00	NC-RO-054.000	1851+60	NC-RO-056.000	1851+83	NC-RO-057.000	1875+45	NC-RO-059.000	1884+62	NC-RO-058.000	1889+00
		1460 LF		23 LF		2362 LF		917 LF		438 LF	

DESIGN

PIPE / COATING	
SLOPE DISTANCE	
CLASS LOCATION / HCA	

ENVIRONMENTAL

CONSTRUCTION EXCLUSION																
WETLAND / STREAM		S-C18-38 10 LF	S-C18-74		S-C18-38 31 LF		S-C18-38 29 LF		S-C18-38 17 LF		S-C18-38 17 LF		S-C18-38 17 LF		S-C18-72	
.																
.																



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

REFERENCE DRAWINGS

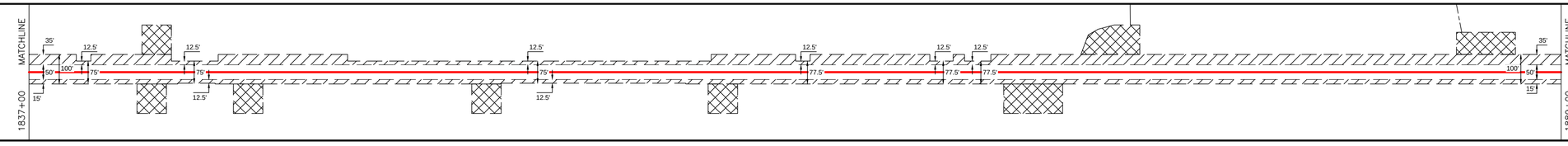
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

1837+00	MATCH LINE
1840+92	BEGIN STREAM (S-C18-38)
1841+02	END STREAM (S-C18-38)
1842+01	CL STREAM (S-C18-74)
1851+60	PROPERTY LINE
1851+83	PROPERTY LINE
1851+95	BEGIN STREAM (S-C18-38)
1852+26	END STREAM (S-C18-38)
1853+07	BEGIN STREAM (S-C18-38)
1853+37	END STREAM (S-C18-38)
1854+35	BEGIN STREAM (S-C18-38)
1854+52	END STREAM (S-C18-38)
1855+75	BEGIN STREAM (S-C18-38)
1855+92	END STREAM (S-C18-38)
1856+90	BEGIN STREAM (S-C18-38)
1857+07	END STREAM (S-C18-38)
1867+89	CL STREAM (S-C18-72)
1874+41	EDGE OF ROAD
1874+51	CL ACCESS RD (GRAVEL)
1874+57	EDGE OF ROAD
1875+45	PROPERTY LINE
1877+38	OVERHEAD POWER LINE
1884+62	PROPERTY LINE
1889+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)

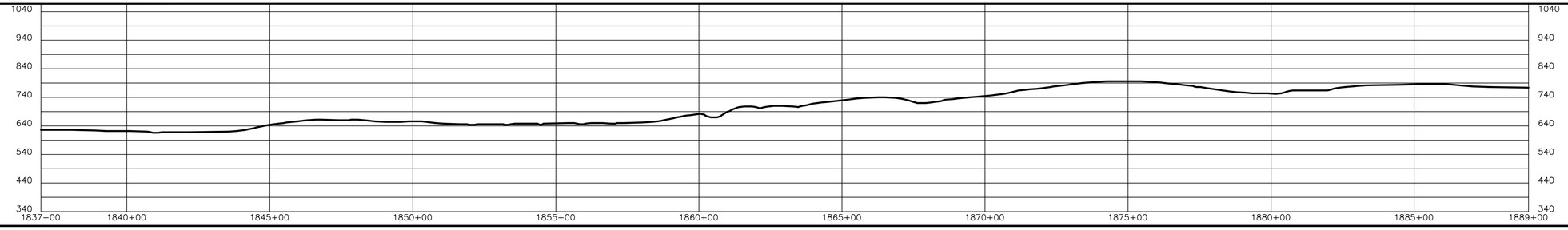


CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

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
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1837+00 TO STA. 1889+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-RONC-H-650-10**
SHEET: 38 OF 77	REV: P2
DATE OF PLOT:8/18/2018 5:06:05 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

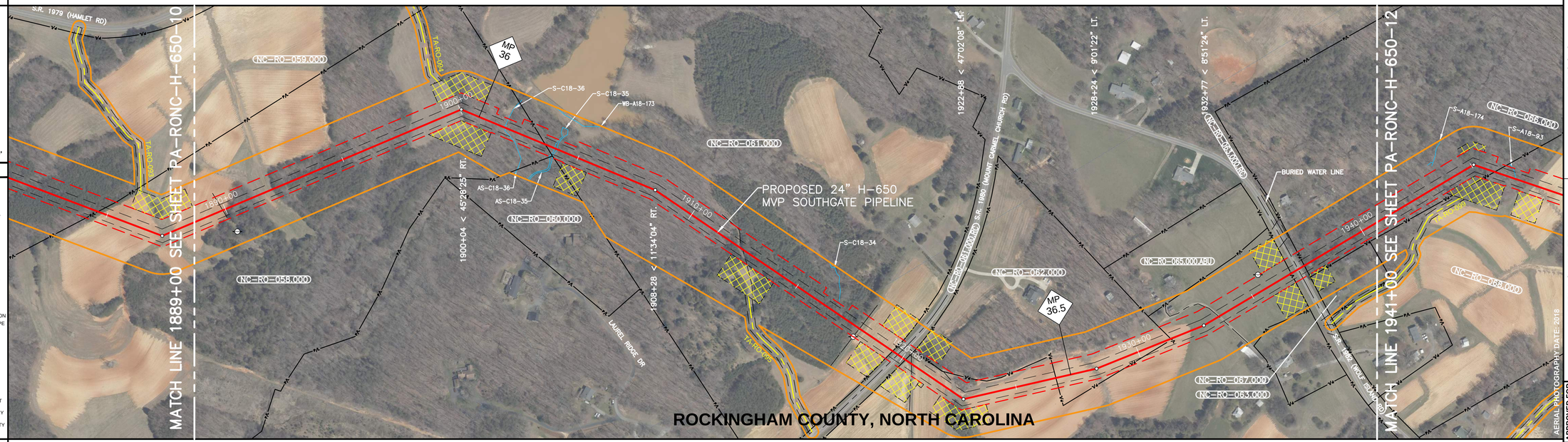
1889+00	NC-RO-058.000	1903+61	NC-RO-061.000	1919+53	NC-RO-061.000.RO	1920+13	NC-RO-063.000	1926+60	NC-RO-062.000	1931+38	NC-RO-063.000	1936+76	NC-RO-063.000.RO	1937+36	NC-RO-066.000	1941+00
	1461 LF		1592 LF		60 LF		647 LF		478 LF		538 LF		60 LF		364 LF	

DESIGN

PIPE / COATING	
SLOPE DISTANCE	
CLASS LOCATION / HCA	

ENVIRONMENTAL

CONSTRUCTION EXCLUSION				
WETLAND / STREAM	S-C18-36		S-C18-35 10 LF	
.				
.				



PLAN VIEW

0' 100' 200' 400'

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

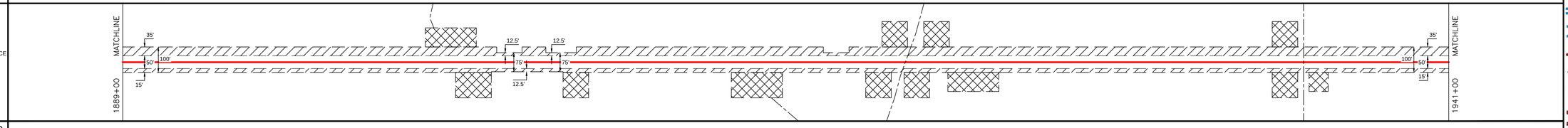
REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

1889+00 MATCH LINE	1889+89 OVERHEAD POWER LINE	1899+87 EDGE OF ROAD	1901+90 CL STREAM (S-C18-36)	1903+61 PROPERTY LINE 1904+00 BEGIN STREAM (S-C18-35) 1904+10 END STREAM (S-C18-35)	1912+36 EDGE OF ROAD 1912+42 CL ACCESS RD (GRAVEL)	1917+96 OVERHEAD POWER LINE	1919+53 PROPERTY LINE, R/W 1919+65 EDGE OF ROAD 1919+77 CL S.R. 1980 (MOUNT CARMEL CHURCH RD)(ASPHALT)	1919+89 EDGE OF ROAD 1920+13 PROPERTY LINE, R/W 1920+42 CL ACCESS RD (DIRT)	1926+60 PROPERTY LINE	1931+38 PROPERTY LINE	1933+46 CL ACCESS RD (GRAVEL)	1936+76 PROPERTY LINE, R/W 1936+97 EDGE OF ROAD 1937+08 CL S.R. 1982 (WOLF ISLAND RD)(ASPHALT)	1937+19 EDGE OF ROAD 1937+36 PROPERTY LINE, R/W	1941+00 MATCH LINE

WORK SPACE



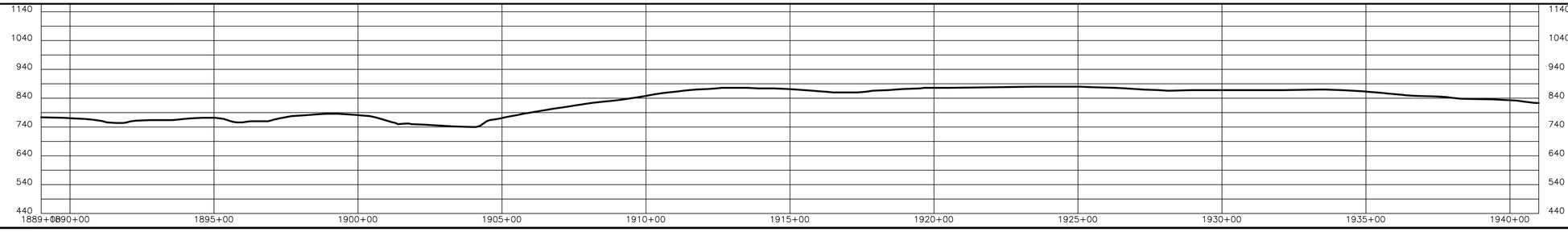
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC — Results you can rely on
FIRM REGISTRATION #C-1
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

APPROVED FOR CONSTRUCTION

REV.	BY	DATE
-	-	-

APPROVED FOR BIDDING

REV.	BY	DATE
-	-	-

APPROVED FOR FERC

REV.	BY	DATE
-	-	-

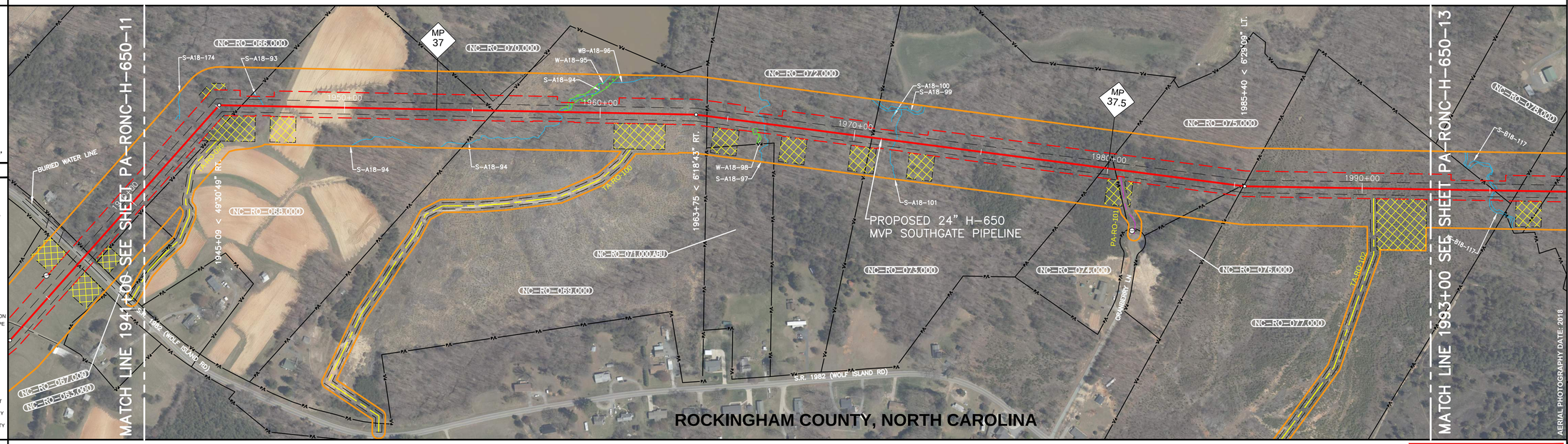
Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1889+00 TO STA. 1941+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-RONC-H-650-11
SHEET: 39 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:06:17 PM	

RIGHT-OF-WAY & OWNERSHIP DATA	1941+00	NC-RO-066.000	1945+96	NC-RO-068.000	1955+85	NC-RO-070.000	1955+88	NC-RO-069.000	1964+19	NC-RO-072.000	1970+70	NC-RO-073.000	1979+86	NC-RO-074.000	1980+28	NC-RO-075.000	1985+28	NC-RO-076.000	1985+36	NC-RO-077.000	1993+00
		496 LF		989 LF		3 LF		831 LF		651 LF		916 LF		42 LF		500 LF		8 LF		764 LF	
DESIGN: PIPE / COATING																					
DESIGN: SLOPE DISTANCE																					
DESIGN: CLASS LOCATION / HCA																					
ENVIRONMENTAL: CONSTRUCTION EXCLUSION																					
ENVIRONMENTAL: WETLAND / STREAM				S-A18-94		W-A18-95 8 LF				S-A18-97		S-A18-101									
ENVIRONMENTAL: .																					
ENVIRONMENTAL: .																					



PLAN VIEW

0' 100' 200' 400'

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

REFERENCE DRAWINGS

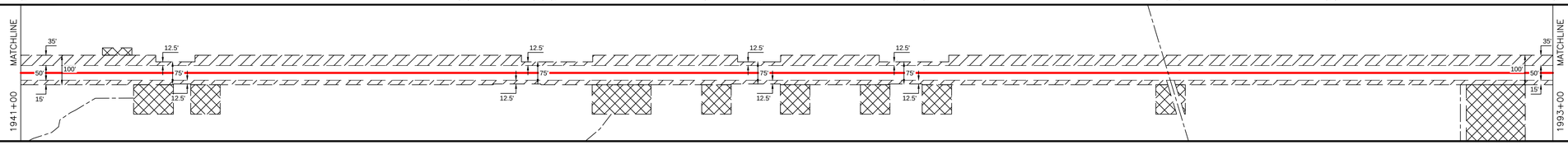
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

1941+00 MATCH LINE
1945+96 PROPERTY LINE
1955+85 PROPERTY LINE
1955+88 PROPERTY LINE
1958+38 CL STREAM (S-A18-94)
1958+41 BEGIN WETLAND (W-A18-95)
1958+49 END WETLAND (W-A18-95)
1964+19 PROPERTY LINE
1966+43 CL STREAM (S-A18-97)
1970+70 PROPERTY LINE
1971+61 CL STREAM (S-A18-101)
1979+86 PROPERTY LINE
1980+28 PROPERTY LINE
1985+28 PROPERTY LINE
1985+36 PROPERTY LINE
1993+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)

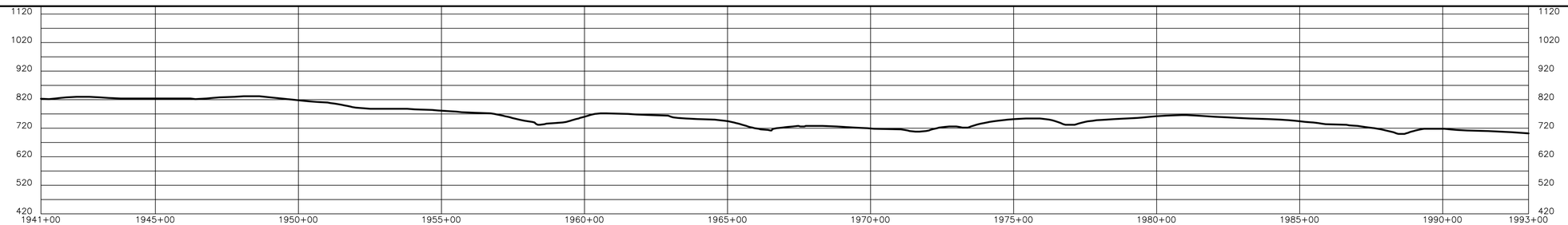


CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC — Results you can rely on
FIRM REGISTRATION #C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

APPROVED FOR CONSTRUCTION	REV.	BY	DATE
	-	-	-

APPROVED FOR BIDDING	REV.	BY	DATE
	-	-	-

APPROVED FOR FERC	REV.	BY	DATE
	-	-	-

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

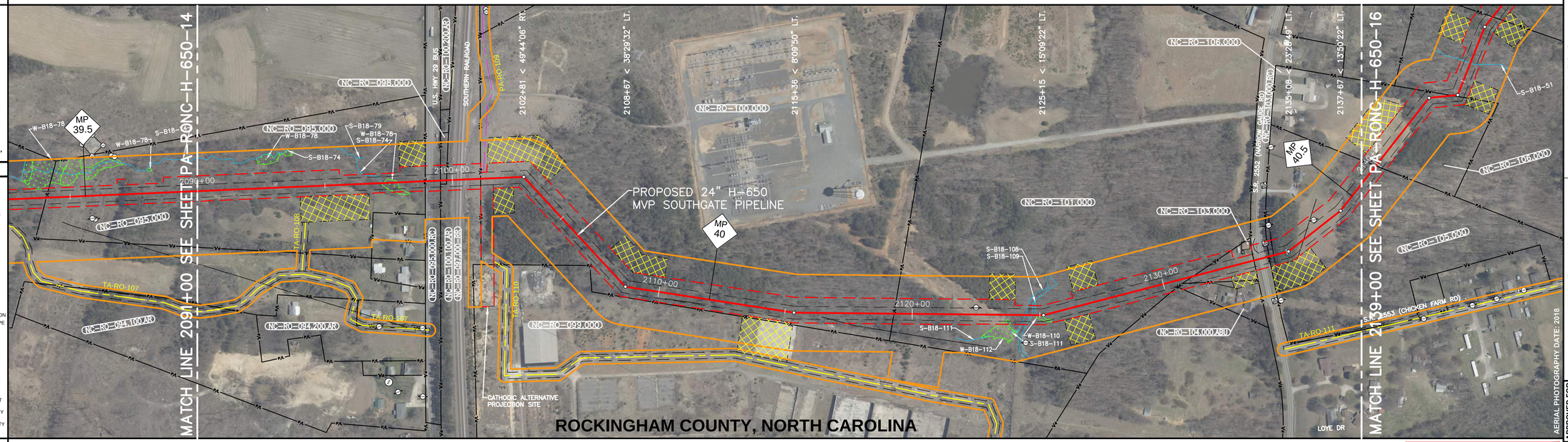
MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 1941+00 TO STA. 1993+00

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-RONC-H-650-12**
SHEET: 40 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:06:39 PM	

| | | |

| | | |

RIGHT-OF-WAY & OWNERSHIP DATA	2091+00	NC-RO-095.000	2098+94	NC-RO-095.000.RO	2099+54	NC-RO-098.000	2099+78	NC-RO-097.000.RR	2101+11	NC-RO-100.000	2119+28	NC-RO-101.000	2131+21	NC-RO-103.000	2133+67	NC-RO-103.000.RO	2134+29	NC-RO-105.000	2139+00
		794 LF		60 LF		24 LF		133 LF		1817 LF		1193 LF		246 LF		62 LF		471 LF	
DESIGN – PIPE / COATING																			
DESIGN – SLOPE DISTANCE																			
DESIGN – CLASS LOCATION / HCA																			
ENVIRONMENTAL – CONSTRUCTION EXCLUSION																			
ENVIRONMENTAL – WETLAND / STREAM		S-B18-74		W-B18-78 55.99 LF								S-B18-108 26.88 LF	S-B18-109						
ENVIRONMENTAL – .																			
ENVIRONMENTAL – .																			



0' 100' 200' 400'

PLAN VIEW

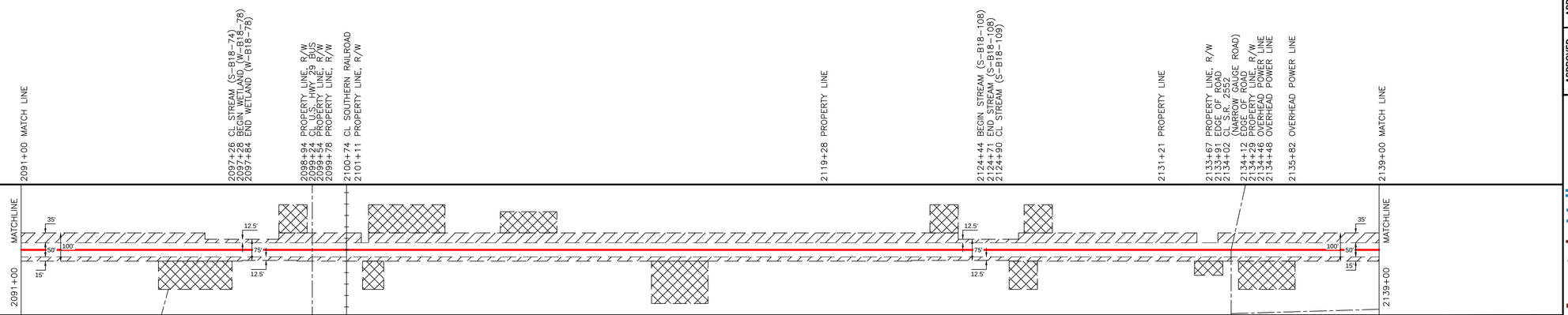
LEGEND

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

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING



WORK SPACE

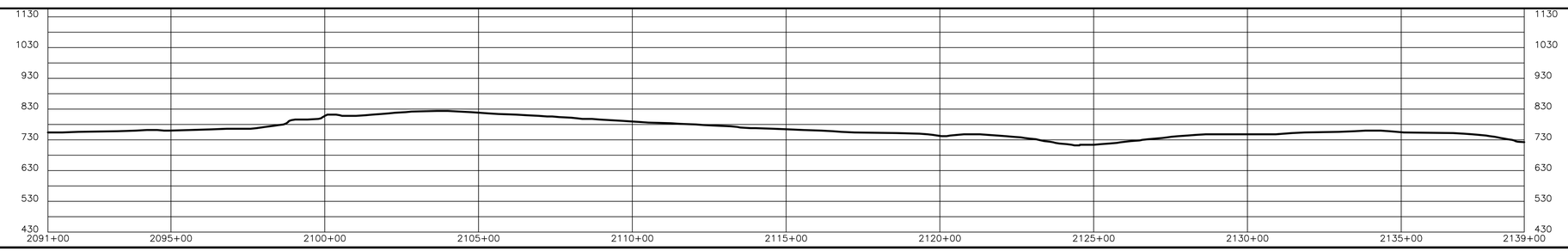
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD
- TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

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

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

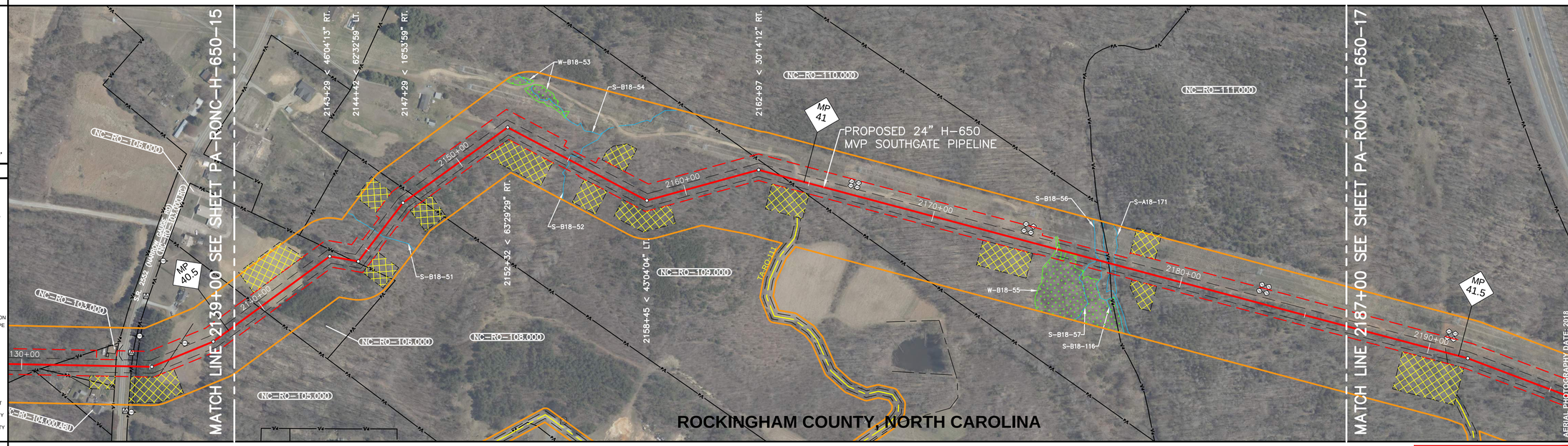
MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 2091+00 TO STA. 2139+00

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-RONC-H-650-15**
SHEET: 43 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:07:20 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

	2139+00	NC–RO–105.000	2139+91	NC–RO–106.000	2144+20	NC–RO–108.000	2147+79	NC–RO–109.000	2163+88	NC–RO–110.000	2177+09	NC–RO–111.000	2187+00
		91 LF		429 LF		359 LF		1609 LF		1321 LF		991 LF	

DESIGN	PIPE / COATING													
	SLOPE DISTANCE													
	CLASS LOCATION / HCA													
ENVIRONMENTAL	CONSTRUCTION EXCLUSION													
	WETLAND / STREAM	S–B18–51		S–B18–52					W–B18–55 20.81 LF	S–B18–57	S–B18–56 34.18 LF	S–A18–171		
	.													
	.													



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

REFERENCE DRAWINGS

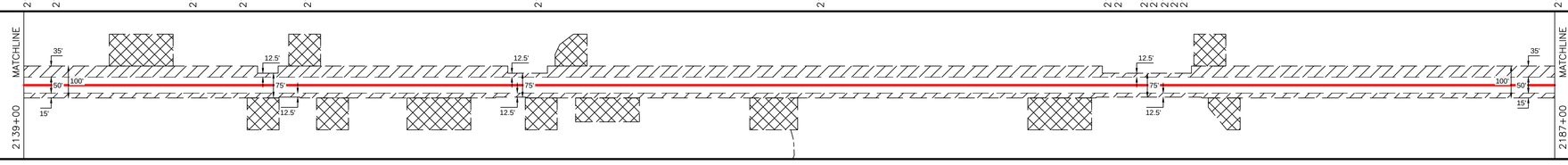
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

2139+00 MATCH LINE
2139+91 PROPERTY LINE
2144+20 PROPERTY LINE
2145+77 CL STREAM (S–B18–51)
2147+79 PROPERTY LINE
2155+02 CL STREAM (S–B18–52)
2163+88 PROPERTY LINE
2174+98 BEGIN WETLAND (W–B18–55)
2175+18 END WETLAND (W–B18–55)
2176+58 CL STREAM (S–B18–57)
2176+74 BEGIN STREAM (S–B18–56)
2177+09 END STREAM (S–B18–56)
2177+09 PROPERTY LINE
2177+34 CL STREAM (S–A18–171)
2187+00 MATCH LINE

WORK SPACE

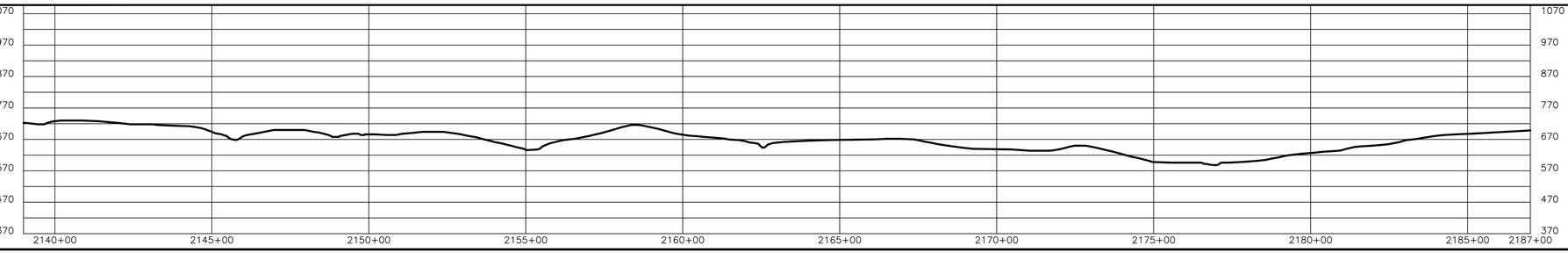
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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



PROFILE

FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

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

Mountain Valley PIPELINE LLC

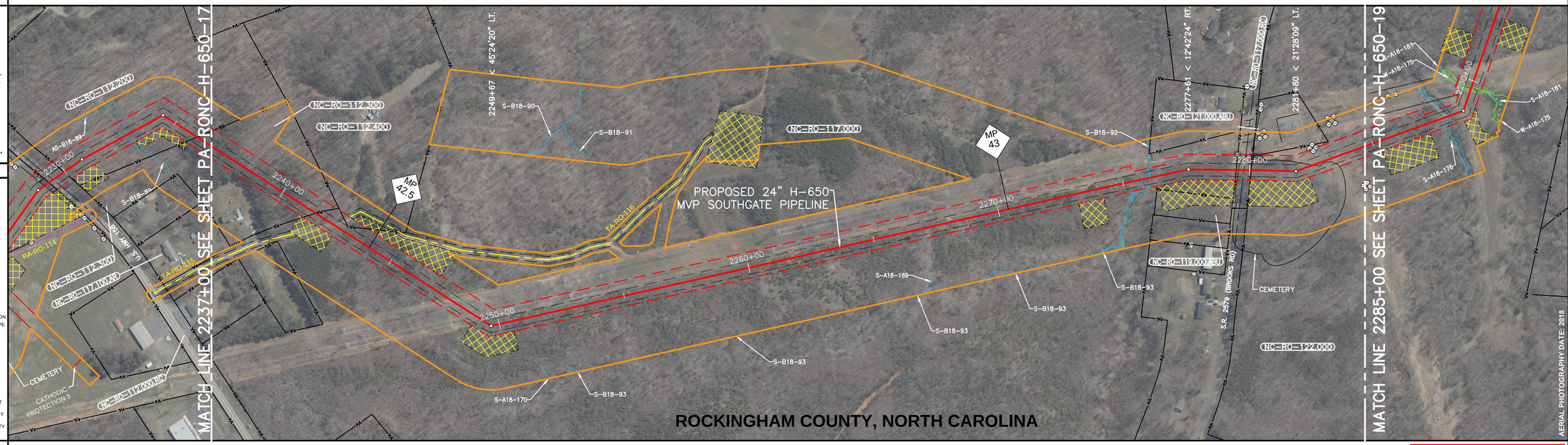
PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 2139+00 TO STA. 2187+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-RONC-H-650-16**
SHEET: 44 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:07:40 PM	

| RIGHT-OF-WAY & OWNERSHIP DATA | | |

RIGHT-OF-WAY & OWNERSHIP DATA		2237+00	NC-RO-112.300 453 LF	2241+53	NC-RO-117.000 3794 LF		2279+47	NC-RO-117.000.RO 59 LF	2280+06	NC-RO-122.000 494 LF	2285+00
DESIGN	PIPE / COATING										
	SLOPE DISTANCE										
	CLASS LOCATION / HCA										
ENVIRONMENTAL	CONSTRUCTION EXCLUSION										
	WETLAND / STREAM							S-B18-92 14 LF			
	.										
	.										



0' 100' 200' 400'

PLAN VIEW

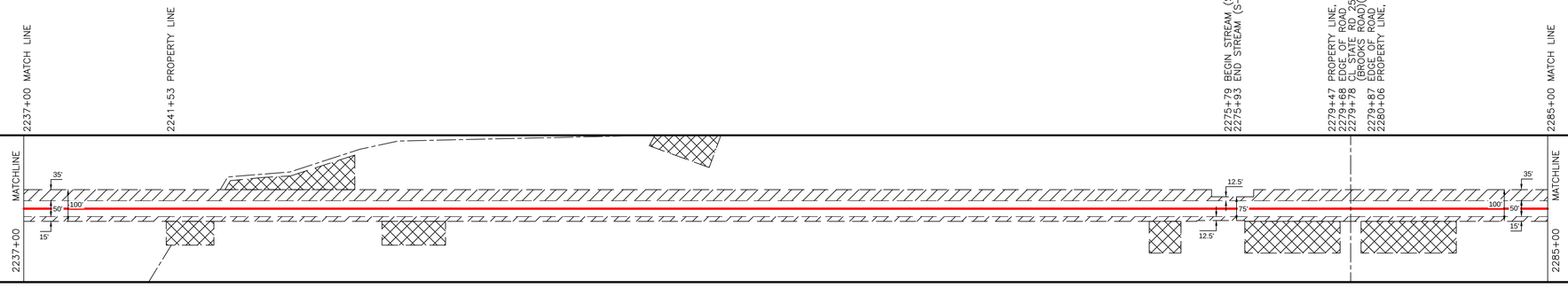
LEGEND

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

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING



WORK SPACE

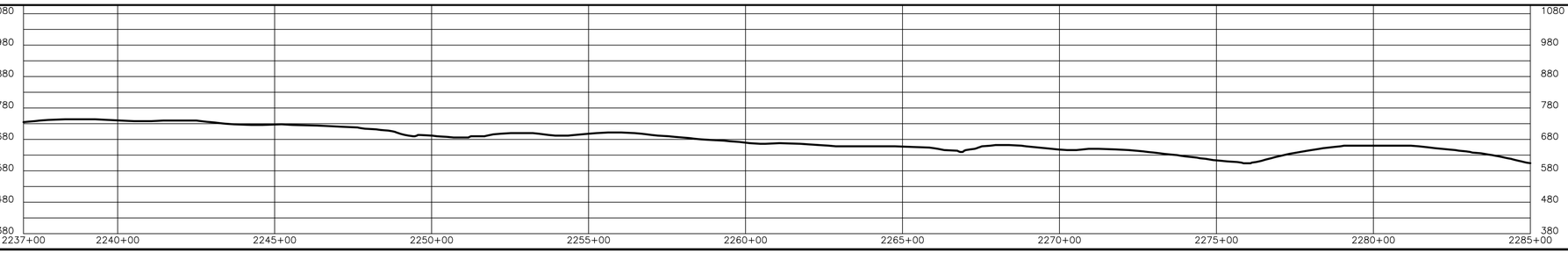
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

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
ROCKINGHAM COUNTY, NORTH CAROLINA
STA.2237+00 TO STA. 2285+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-RONC-H-650-18**
SHEET: 46 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:08:11 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

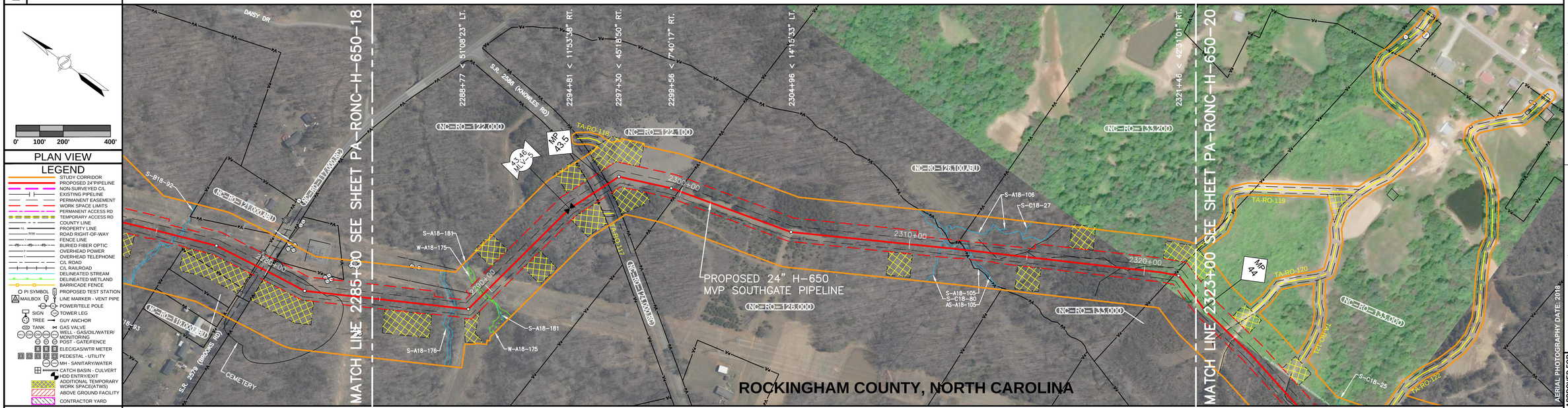
	2285+00	NC-RO-122.000	2296+03	NC-RO-124.000.RC	2296+74	NC-RO-122.100	2299+90	NC-RO-126.000	2312+37	NC-RO-133.200	2321+30	NC-RO-133.000	2323+00
		1103 LF		71 LF		316 LF		1247 LF		893 LF		170 LF	

DESIGN

PIPE / COATING	
SLOPE DISTANCE	
CLASS LOCATION / HCA	

ENVIRONMENTAL

CONSTRUCTION EXCLUSION														
WETLAND / STREAM		S-A18-176 16 LF		W-A18-175 19 LF				S-C18-80		S-A18-105 45 LF		S-A18-105 9 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
- 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
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

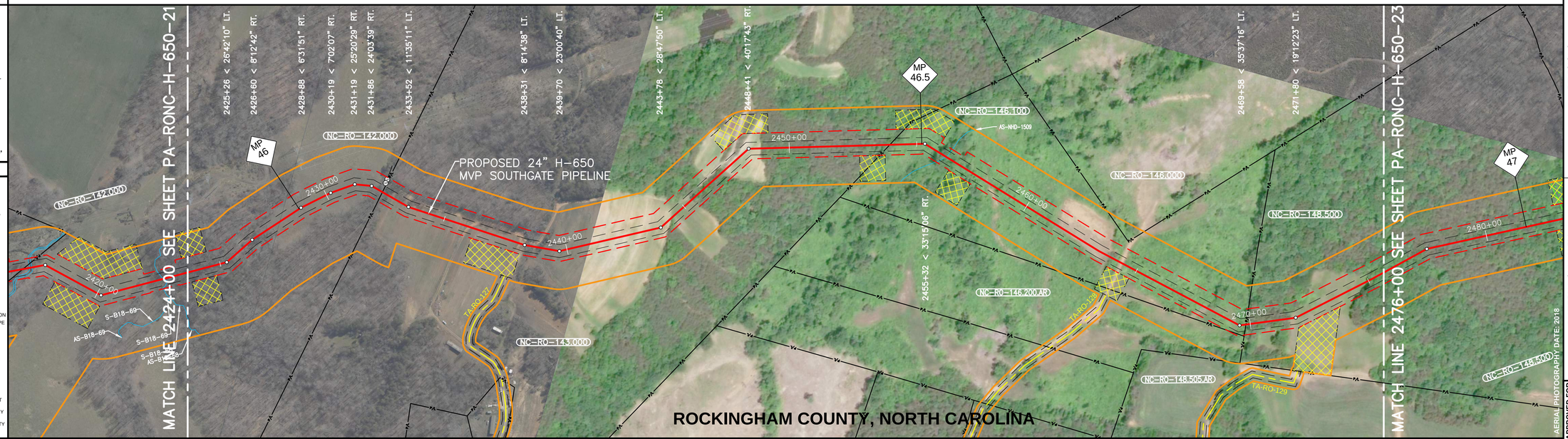
HORIZONTAL STATIONING

| | | | | | | | | | | | | | |

| | | |

| RIGHT-OF-WAY & OWNERSHIP DATA | | |

RIGHT-OF-WAY & OWNERSHIP DATA	2424+00	NC-RO-142.000	2432+34	NC-RO-143.000	2453+94	NC-RO-146.100	2469+83	NC-RO-148.500	2476+00
		834 LF		2160 LF		1589 LF		617 LF	
DESIGN – PIPE / COATING									
DESIGN – SLOPE DISTANCE									
DESIGN – CLASS LOCATION / HCA									
ENVIRONMENTAL – CONSTRUCTION EXCLUSION									
ENVIRONMENTAL – WETLAND / STREAM					AS-NHD-1509				
ENVIRONMENTAL – .									
ENVIRONMENTAL – .									



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

REFERENCE DRAWINGS

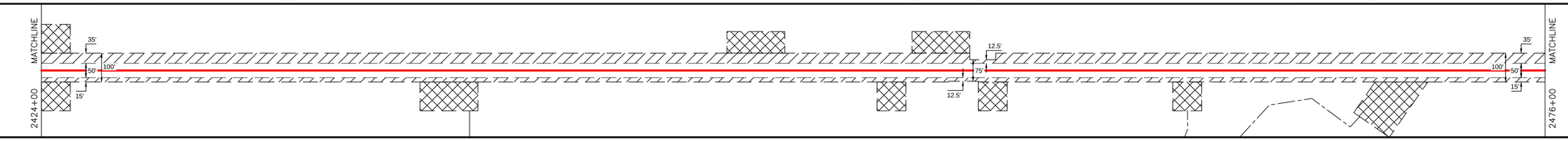
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING



WORK SPACE

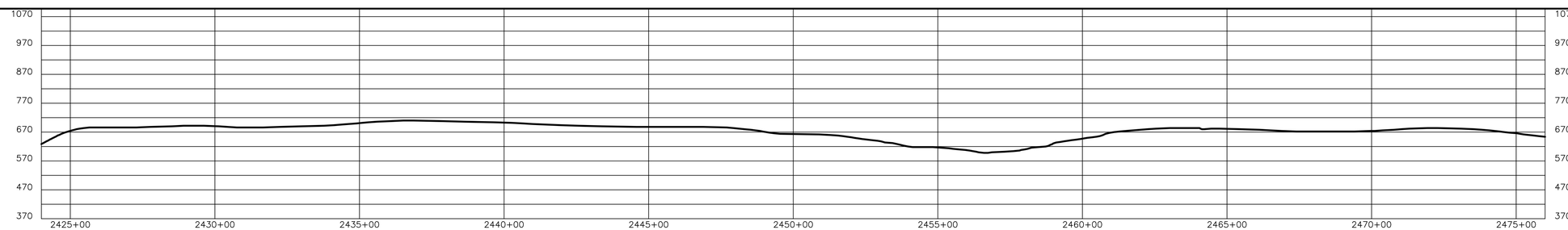
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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



PROFILE

FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

APPROVED FOR CONSTRUCTION		
REV.	BY	DATE
-	-	-

APPROVED FOR BIDDING		
REV.	BY	DATE
-	-	-

APPROVED FOR FERC		
REV.	BY	DATE
-	-	-

Mountain Valley PIPELINE, LLC

PIPELINE ALIGNMENT

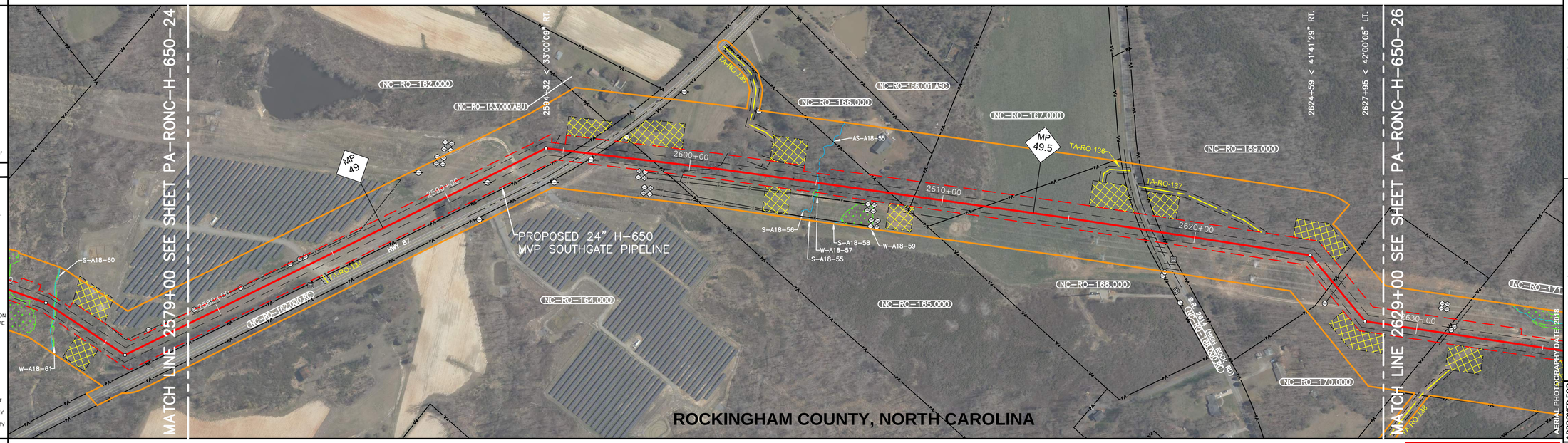
MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 2424+00 TO STA. 2476+00

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-RONC-H-650-22**
SHEET: 50 OF 77	REV. P2
DATE OF PLOT: 8/18/2018 5:09:13 PM	

| | | |

| RIGHT-OF-WAY & OWNERSHIP DATA | | |

RIGHT-OF-WAY & OWNERSHIP DATA	2579+00	NC-RO-162.000 1637 LF	2595+37	NC-RO-162.000.RC 96 LF	2596+33	NC-RO-164.000 221 LF	2598+54	NC-RO-165.000 939 LF	2607+93	NC-RO-166.000 96 LF	2608+89	NC-RO-167.000 279 LF	2611+68	NC-RO-168.000 617 LF	2617+85	NC-RO-168.000.RC 82 LF	2618+67	NC-RO-169.000 730 LF	2625+97	NC-RO-170.000 303 LF	2629+00
DESIGN — PIPE / COATING																					
DESIGN — SLOPE DISTANCE																					
DESIGN — CLASS LOCATION / HCA																					
ENVIRONMENTAL — CONSTRUCTION EXCLUSION																					
ENVIRONMENTAL — WETLAND / STREAM														S-A18-55							
ENVIRONMENTAL — .																					
ENVIRONMENTAL — .																					



PLAN VIEW

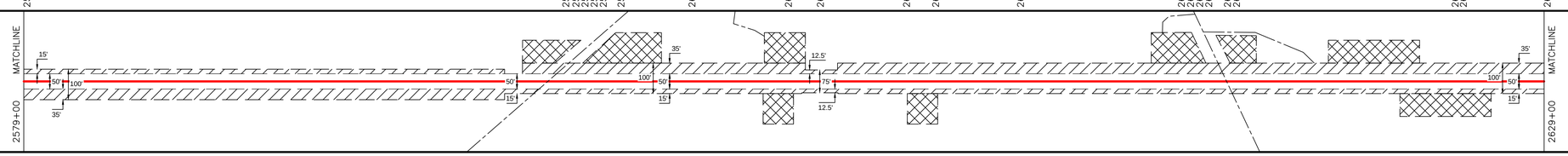
LEGEND

- STUDY CORRIDOR
- PROPOSED 24"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
- 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
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING



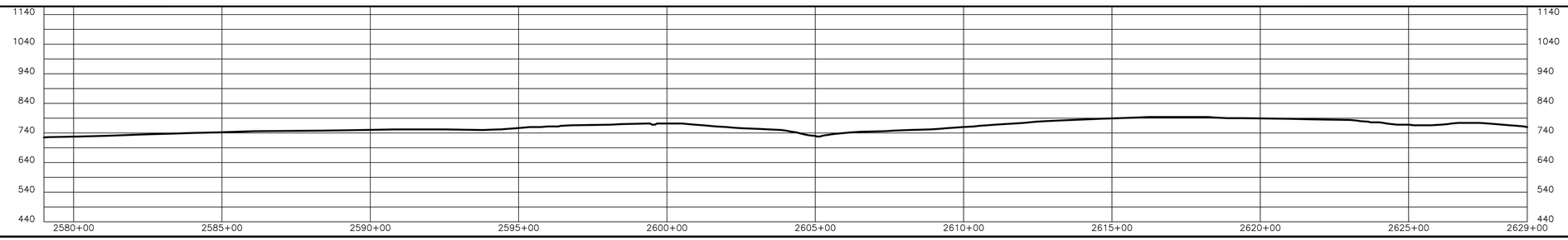
WORK SPACE

- 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

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



PROFILE

FERC DRAFT

TRC — Results you can rely on
FIRM REGISTRATION #C-1
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

APPROVED FOR CONSTRUCTION	REV.	BY	DATE
	-	-	-

APPROVED FOR BIDDING	REV.	BY	DATE
	-	-	-

APPROVED FOR FERC	REV.	BY	DATE
	-	-	-

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

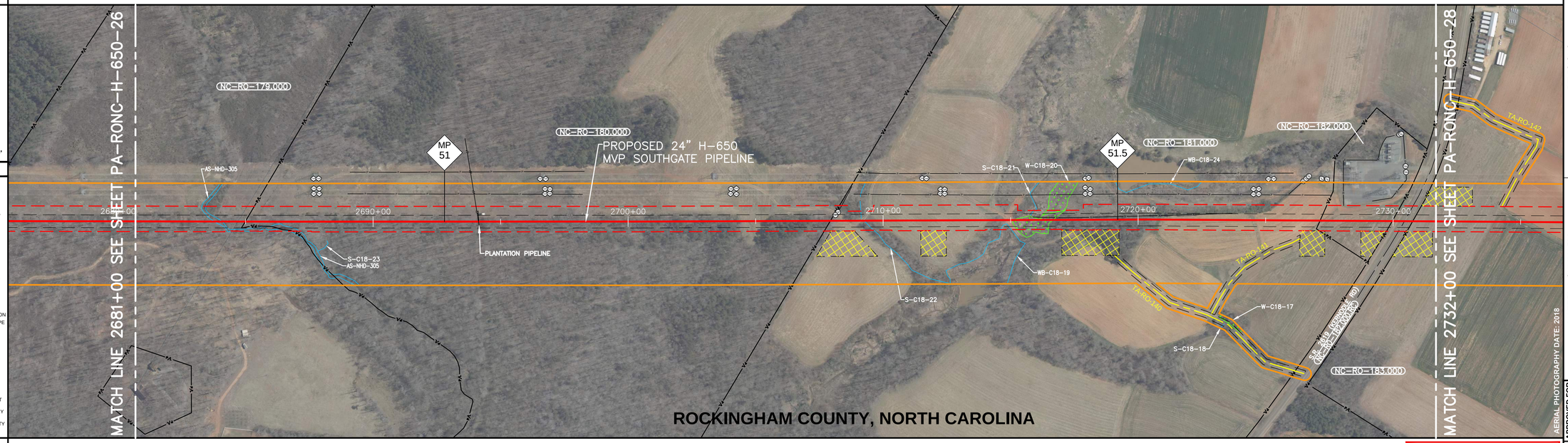
MVP SOUTHGATE PROJECT - H-650 LINE
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 2579+00 TO STA. 2629+00

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-RONC-H-650-25
SHEET: 53 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:10:08 PM	

| | | |

RIGHT-OF-WAY & OWNERSHIP DATA

		2681+00	NC-RO-179.000	2684+99	NC-RO-180.000	2707+93	NC-RO-181.000	2727+13	NC-RO-182.000	2729+97	NC-RO-182.000.RC	2730+77	NC-RO-183.000	2732+00
			399 LF		2294 LF		1920 LF		284 LF		80 LF		123 LF	
DESIGN	PIPE / COATING													
	SLOPE DISTANCE													
	CLASS LOCATION / HCA													
ENVIRONMENTAL	CONSTRUCTION EXCLUSION													
	WETLAND / STREAM			AS-NHD-718 29 LF				W-C18-20 153 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
- 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
- HDD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS

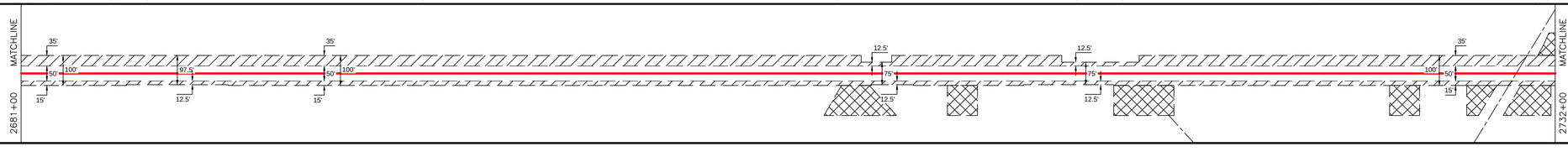
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

2681+00 MATCH LINE
2683+78 BEGIN STREAM (AS-NHD-718)
2684+08 END STREAM (AS-NHD-718)
2684+99 PROPERTY LINE
2694+15 PLANTATION PIPELINE
2707+93 PROPERTY LINE
2715+14 BEGIN WETLAND (W-C18-20)
2716+67 END WETLAND (W-C18-20)
2727+13 PROPERTY LINE
2729+97 PROPERTY LINE, R/W
2730+34 EDGE OF ROAD
2730+45 CL SR 2611 (KERSEY VALLEY ROAD)(ASPHALT)
2730+56 EDGE OF ROAD
2730+77 PROPERTY LINE, R/W
2732+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)

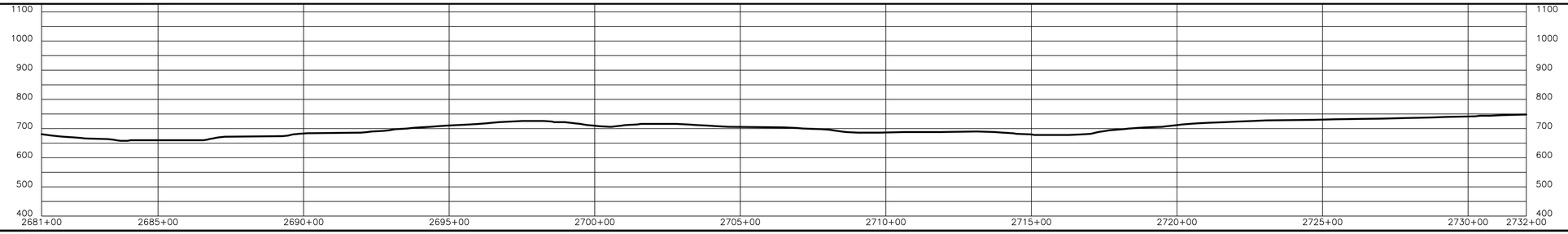


CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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

PROFILE



FERC DRAFT

TRC
Results you can rely on
FIRM REGISTRATION #C-
NC C-2618

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

AERIAL PHOTOGRAPHY DATE: 2018

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
ROCKINGHAM COUNTY, NORTH CAROLINA
STA. 2681+00 TO STA. 2732+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-RONC-H-650-27**
SHEET: 55 OF 77	REV. P2
DATE OF PLOT:8/18/2018 5:10:44 PM	

| | | |