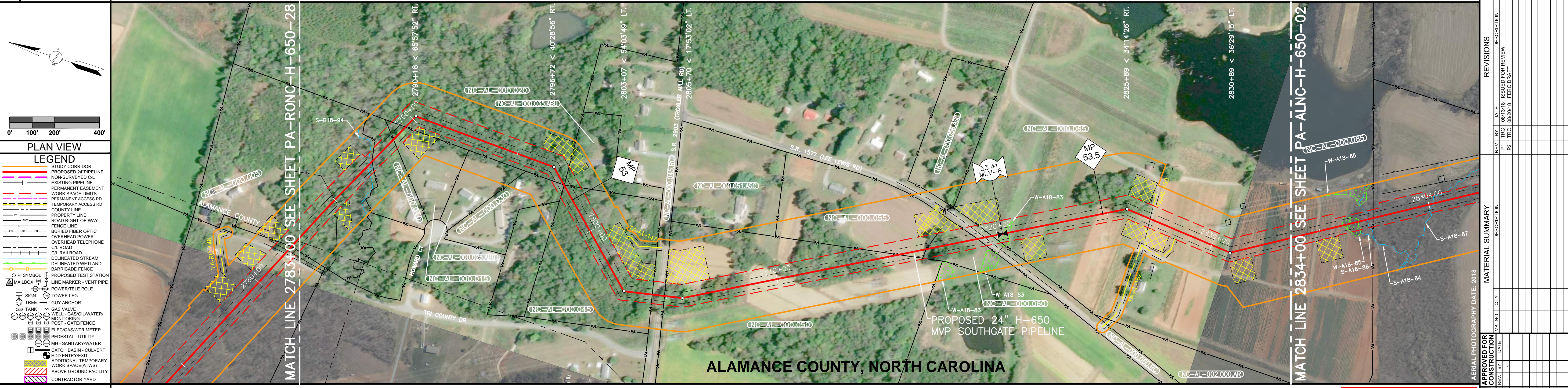


RIGHT-OF-WAY & OWNERSHIP DATA	2783+00	NC-AL-000.005	NC-AL-000.010	NC-AL-000.015	NC-AL-000.020	NC-AL-000.030	NC-AL-000.045	NC-AL-000.045.RC	NC-AL-000.050	NC-AL-000.055	NC-AL-000.060	NC-AL-000.060.RC	NC-AL-000.065	2834+00				
	439 LF	135 LF	78 LF	812 LF	2 LF	669 LF	2904+35	55 LF	2804+90	1063 LF	125 LF	2816+78	232 LF	2819+10	67 LF	2819+77	1423 LF	2834+00

DESIGN	PIPE / COATING	SLOPE DISTANCE	CLASS LOCATION / HCA		
ENVIRONMENTAL	CONSTRUCTION EXCLUSION	WETLAND / STREAM	S-B18-94	W-A18-83	25 LF



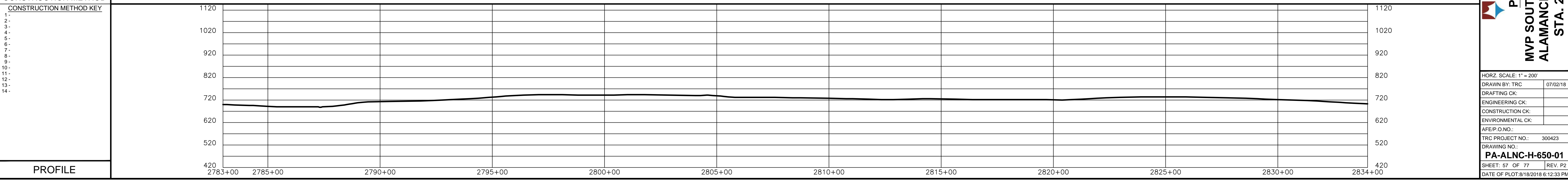
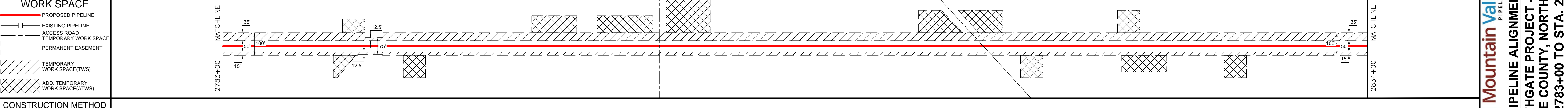
PLAN VIEW

LEGEND

- STUDY CORRIDOR
- PROPOSED PIPELINE
- NON SURVEYED C.L.
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- 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(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING	2783+00 MATCH LINE	2785+00 FENCE, 4' HOG WIRE	2787+25 CL STREAM (S-B18-94)	2787+39 PROPERTY LINE	2788+74 PROPERTY LINE	2789+52 PROPERTY LINE	2797+64 PROPERTY LINE	2797+66 PROPERTY LINE	2804+35 PROPERTY LINE, R/W (Troxler Mill Rd)	2804+62 S.P.R. 2903 (Troxler Mill Rd)	2804+90 PROPERTY LINE, R/W	2815+53 PROPERTY LINE	2816+78 PROPERTY LINE	2819+10 PROPERTY LINE, R/W	2819+31 EDGE OF ROAD, R/W	2819+44 CL S.R. 1577	2819+56 (LEE LEWIS RD) ASPHALT	2819+59 ROAD	2819+77 PROPERTY LINE, R/W	2820+35 BEGIN WETLAND (W-A18-83)	2820+60 END WETLAND (W-A18-83)	2826+96 EDGE OF ROAD (GRAVEL)	2827+08 ROAD	2827+08 EDGE OF ROAD	2828+40 CL ROAD	2828+49 EDGE OF ROAD	2834+00 MATCH LINE
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REV. BY	DATE	DESCRIPTION

APPROVED FOR CONSTRUCTION	DATE

APPROVED FOR BIDDING	DATE

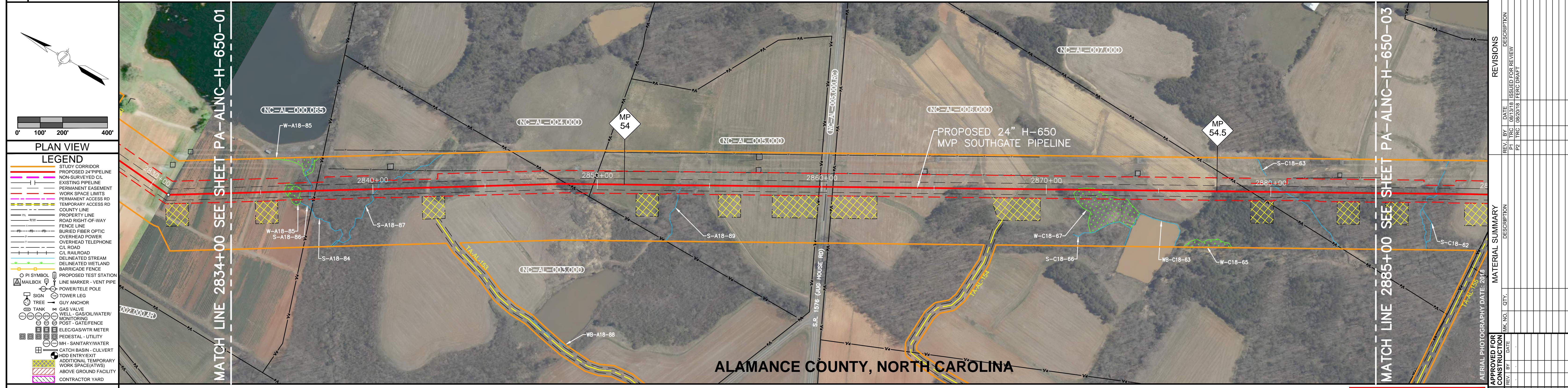
FERC DRAFT

PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 2783+00 TO STA. 2834+00

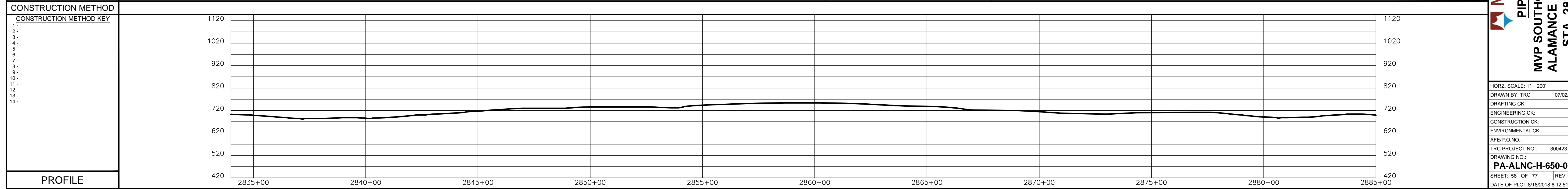
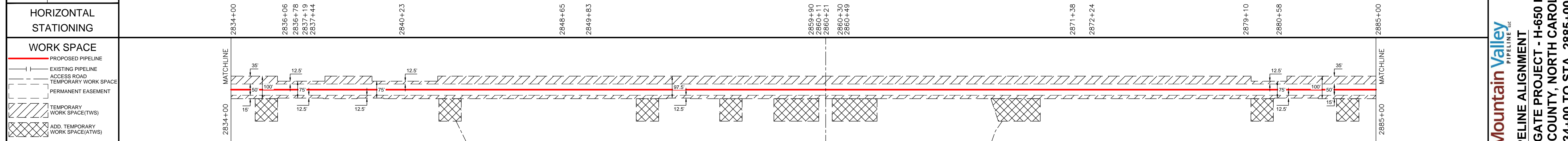
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DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/ P.O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-ALNC-H-650-01 SHEET: 57 OF 77 REV P2 DATE OF PLOT: 8/18/2018 6:12:33 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		2834+00	(NC-AL-000.065) 344 LF	2837+44	(NC-AL-003.000) 1121 LF	2848+65	(NC-AL-004.000) 118 LF	2849+83	(NC-AL-005.000) 1007 LF	2859+90	(NC-AL-005.000.RC) 59 LF	2860+49	(NC-AL-006.000) 1861 LF	2879+10	(NC-AL-007.000) 590 LF	2885+00
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DESIGN		PIPE / COATING																			
ENVIRONMENTAL		CONSTRUCTION EXCLUSION																			
		WETLAND / STREAM																			
		W-A18-85 71 LF					S-A18-84 S-A18-87					W-C18-67 86 LF					S-C18-63				



REFERENCE DRAWINGS		DRAWING NO. DESCRIPTION														
HORIZONTAL STATIONING		2834+00 MATCH LINE 2836+06 BEGIN WETLAND (W-A18-85) 2836+78 END WETLAND (W-A18-85) 2837+19 CL STREAM (S-A18-84) 2837+44 PROPERTY LINE 2840+23 CL STREAM (S-A18-87) 2848+65 PROPERTY LINE 2849+83 PROPERTY LINE 2859+90 PROPERTY LINE, R/W 2860+10 EDGE OF ROAD (ASPHALT) 2860+21 (JUG HOUSE RD) (ASPHALT) 2860+30 EDGE OF ROAD 2860+49 PROPERTY LINE, R/W 2871+38 BEGIN WETLAND (W-C18-67) 2872+24 END WETLAND (W-C18-67) 2879+10 PROPERTY LINE 2880+58 CL STREAM (S-C18-63) 2885+00 MATCH LINE														



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

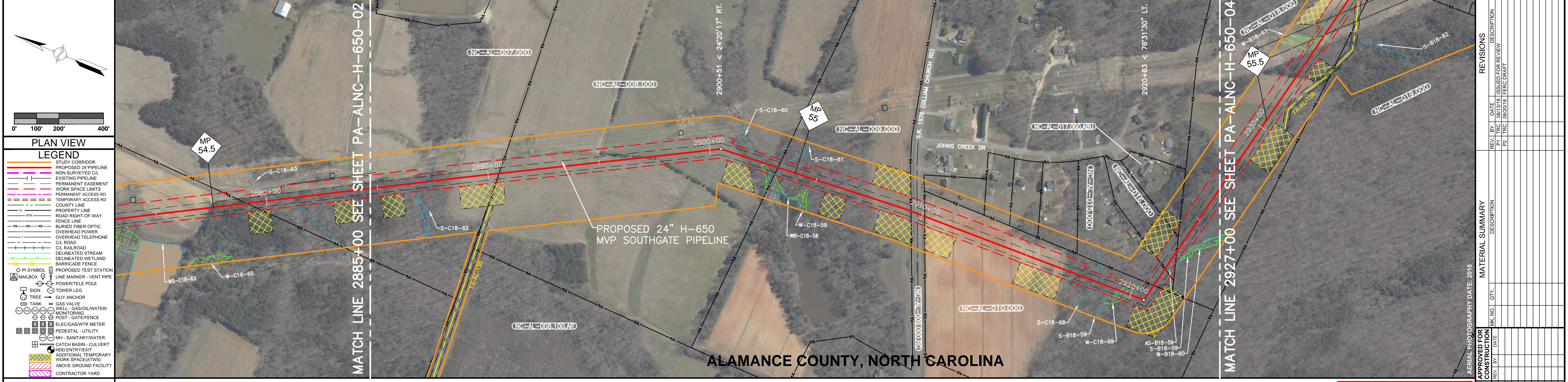
REVISIONS		REV. BY	DATE	DESCRIPTION
P1	TRC	08/13/18	ISSUED FOR REVIEW	
P2	TRC	08/20/18	FERC DRAFT	

APPROVED FOR BIDDING		REV. BY	DATE

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 2834+00 TO STA. 2885+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-ALNC-H-650-02
SHEET: 58 OF 77 REV. P2
DATE OF PLOT: 8/18/2018 6:12:51 PM

RIGHT-OF-WAY & OWNERSHIP DATA		2885+00	NC-AL-007.000	2890+49	NC-AL-008.000	2903+19	NC-AL-009.000	2909+47	NC-AL-009.000.RD	2910+12	NC-AL-010.000	2921+42	NC-AL-015.000	NC-AL-016.000	NC-AL-018.000	2927+00	
PIPE / COATING			549 LF		1270 LF		628 LF		65 LF	2910+12	1130 LF		90 LF	2922+32	93 LF	375 LF	
SLOPE DISTANCE																	
CLASS LOCATION / HCA																	
CONSTRUCTION EXCLUSION																	
WETLAND / STREAM		S-C18-62					S-C18-60	S-C18-61				S-C18-68	W-C18-69	S-B18-59	S-B18-59		



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)
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- CONTRACTOR YARD

REVISIONS

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

MATERIAL SUMMARY

MATERIAL	QTY.

APPROVED FOR CONSTRUCTION

REV. BY	DATE	DESCRIPTION

APPROVED FOR BIDDING

REV. BY	DATE	DESCRIPTION

AERIAL PHOTOGRAPHY DATE: 2018

FERC DRAFT

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

2885+00 MATCH LINE

2887+40 CL STREAM (S-C18-62)

2890+49 PROPERTY LINE

2902+50 CL STREAM (S-C18-60)

2903+19 PROPERTY LINE

2903+34 CL STREAM (S-C18-61)

2909+47 PROPERTY LINE, R/W

2909+66 EDGE OF ROAD

2909+77 CL STREAM (GULLIAM CHURCH RD) (ASPHALT)

2909+87 EDGE OF ROAD

2910+12 PROPERTY LINE, R/W

2918+34 CL STREAM (S-C18-68)

2919+47 BEGIN WETLAND (W-C18-69)

2919+84 END WETLAND (W-C18-69)

2919+84 CL STREAM (S-B18-59)

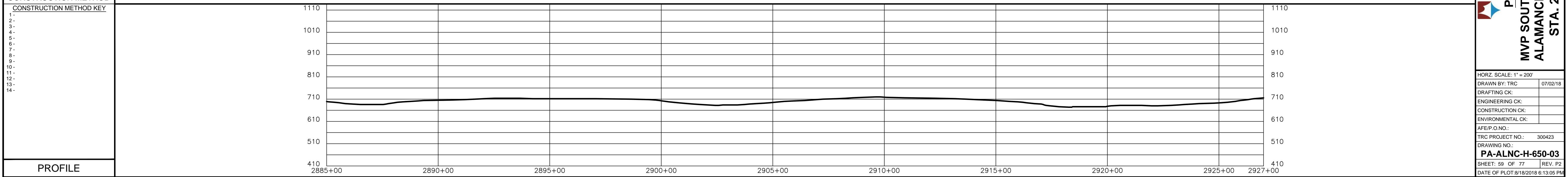
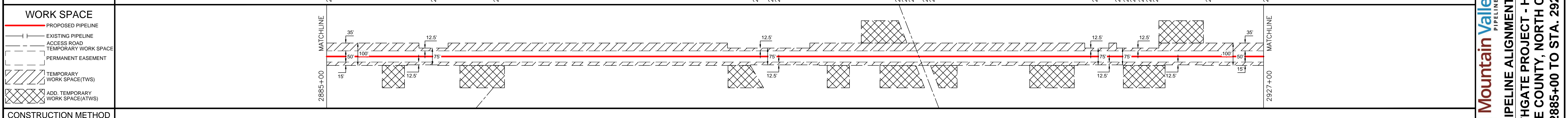
2921+42 PROPERTY LINE

2922+32 CL STREAM (S-B18-59)

2922+32 PROPERTY LINE

2923+25 PROPERTY LINE

2927+00 MATCH LINE



Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

STA. 2885+00 TO STA. 2927+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-ALNC-H-650-03

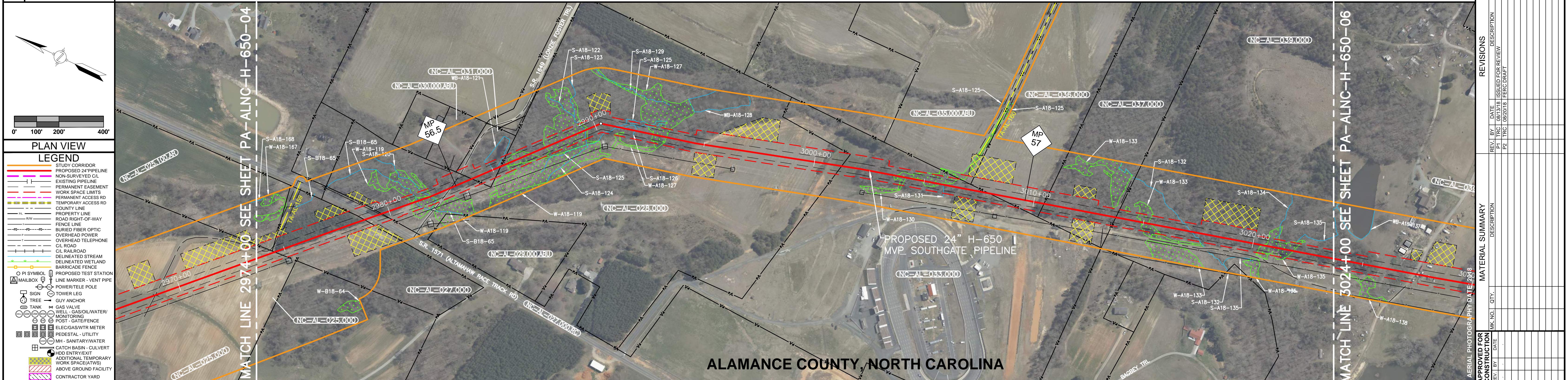
SHEET: 59 OF 77 **REV. P2**

DATE OF PLOT: 8/18/2018 6:13:05 PM

RIGHT-OF-WAY & OWNERSHIP DATA		2974+00	NC-AL-025.000	2974+55	NC-AL-027.000	2978+83	NC-AL-027.000.RC	2979+65	NC-AL-028.000	2983+98	NC-AL-031.000	2985+39	NC-AL-028.000	3001+24	NC-AL-033.000	3007+96	NC-AL-036.000	3010+46	NC-AL-037.000	3013+74	NC-AL-039.000	3024+00
		55 LF		428 LF		82 LF		433 LF		141 LF		2985+39	1585 LF		672 LF		250 LF		328 LF		1026 LF	

DESIGN	PIPE / COATING																					
	SLOPE DISTANCE																					
	CLASS LOCATION / HCA																					

ENVIRONMENTAL	CONSTRUCTION EXCLUSION																						
	WETLAND / STREAM	W-A18-119	S-B18-65	W-A18-119	S-A18-120	W-A18-119	WB-A18-120	W-A18-119	W-A18-119	W-A18-119	S-A18-122	W-A18-119	S-A18-125	S-A18-126	W-A18-127	W-A18-130	W-A18-130	S-A18-131		W-A18-133	S-A18-132		W-A18-135
		25 LF	1 LF	62 LF	1 LF	5 LF	10 LF	11 LF	104 LF	190 LF	1 LF	11 LF	31 LF		61 LF	47 LF	85 LF		41 LF			140 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
- DELIMITED STREAM
- DELIMITED WETLAND
- BARRICADE FENCE
- 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
- MH - SANITARY-WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



REVISIONS	
REV. NO.	DESCRIPTION
P1	TRC ISSUED FOR REVIEW
P2	TRC (08/20/18) FERC DRAFT

MATERIAL SUMMARY	
DESCRIPTION	QTY.

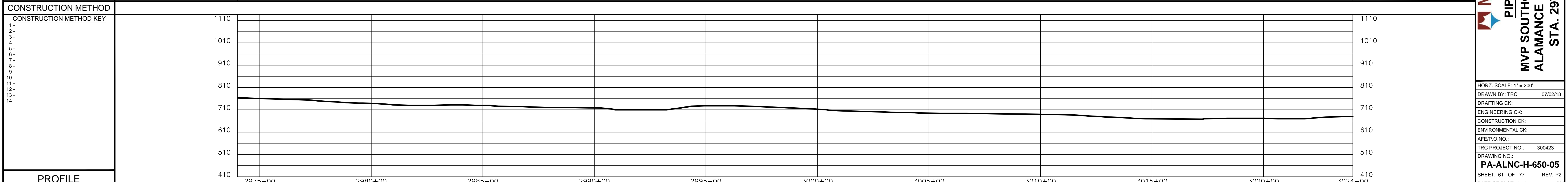
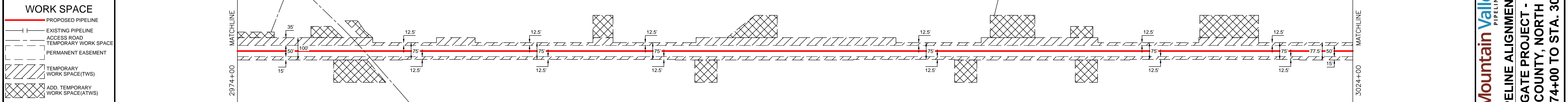
APPROVED FOR CONSTRUCTION	
REV. BY	DATE

APPROVED FOR BIDDING	
REV. BY	DATE

FERC DRAFT

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING	DESCRIPTION
2974+00	MATCH LINE
2974+55	PROPERTY LINE
2978+83	PROPERTY LINE, R/W
2979+24	CL S.R. 1571 (ALTAHAWH RACE TRACK RD)
2979+58	CL S.R. 1571 (ALTAHAWH RACE TRACK RD)
2979+65	PROPERTY LINE, R/W
2981+08	BEGIN WETLAND (W-A18-119)
2981+33	CL STREAM (S-B18-65)
2981+96	CL STREAM (S-A18-120)
2982+61	END WETLAND (W-A18-119)
2982+95	CL LONZIE FOSTER TRAIL (GRAVEL)
2983+05	EDGE OF ROAD
2983+98	PROPERTY LINE
2985+04	BEGIN STREAM (WB-A18-120)
2985+14	END STREAM (WB-A18-120)
2985+39	PROPERTY LINE
2985+75	BEGIN WETLAND (W-A18-119)
2985+82	BEGIN WETLAND (W-A18-119)
2986+86	END WETLAND (W-A18-119)
2987+60	BEGIN WETLAND (W-A18-119)
2989+50	CL STREAM (S-A18-122)
2989+61	END WETLAND (W-A18-119)
2990+96	BEGIN STREAM (S-A18-125)
2991+27	END STREAM (S-A18-125)
2991+86	CL STREAM (S-A18-126)
2992+67	BEGIN WETLAND (W-A18-127)
2993+28	END WETLAND (W-A18-127)
3001+24	PROPERTY LINE
3003+70	BEGIN WETLAND (W-A18-130)
3004+17	END WETLAND (W-A18-130)
3004+87	BEGIN WETLAND (W-A18-130)
3005+72	END WETLAND (W-A18-130)
3005+83	CL STREAM (S-A18-131)
3007+96	PROPERTY LINE
3010+46	PROPERTY LINE
3013+74	PROPERTY LINE
3014+90	BEGIN WETLAND (W-A18-133)
3015+31	END WETLAND (W-A18-133)
3017+19	CL STREAM (S-A18-132)
3020+45	BEGIN WETLAND (W-A18-135)
3021+84	END WETLAND (W-A18-135)
3024+00	MATCH LINE



Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

STA. 2974+00 TO STA. 3024+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-ALNC-H-650-05

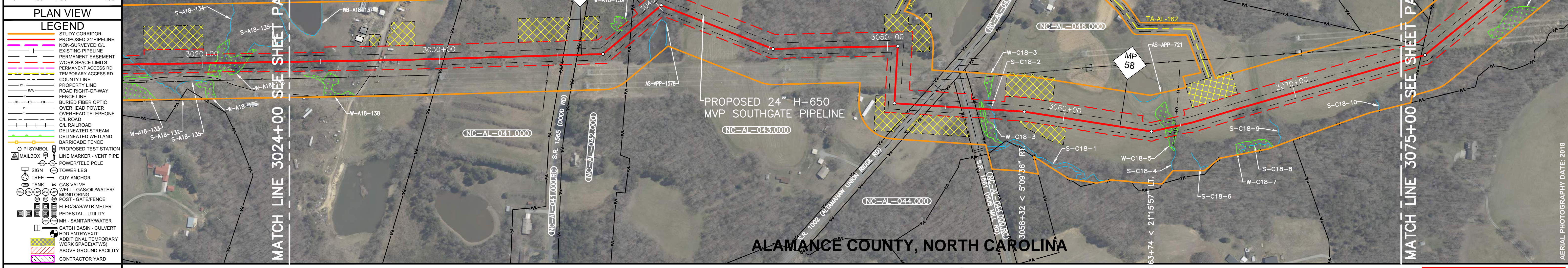
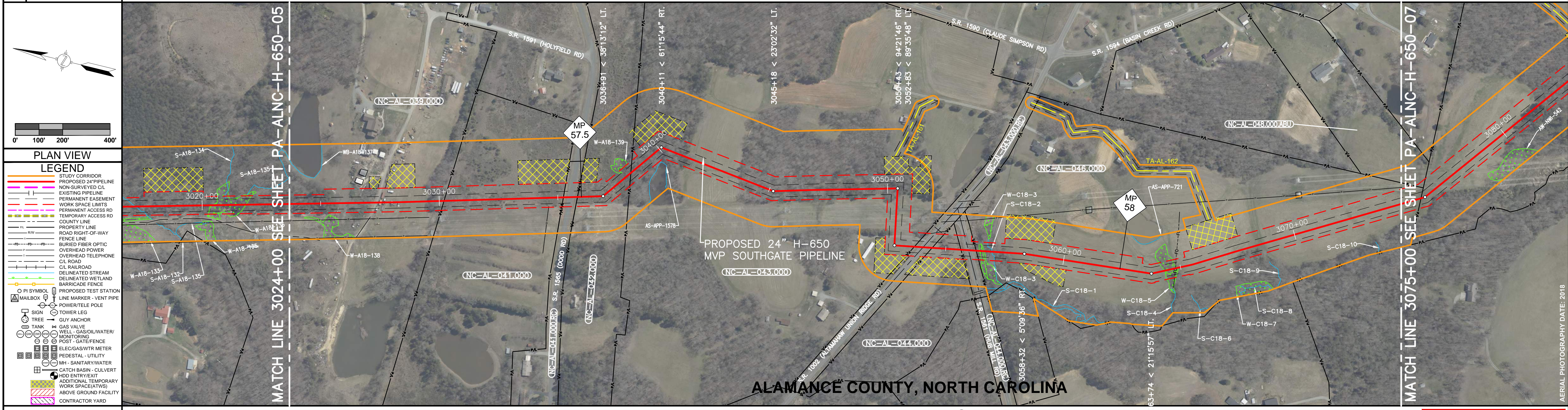
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DATE OF PLOT: 8/18/2018 6:13:33 PM

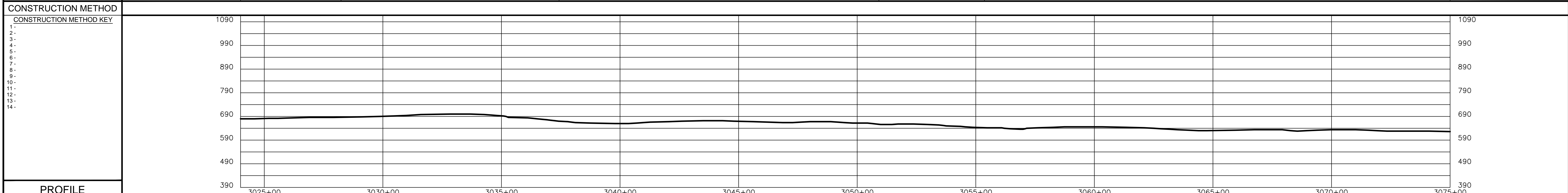
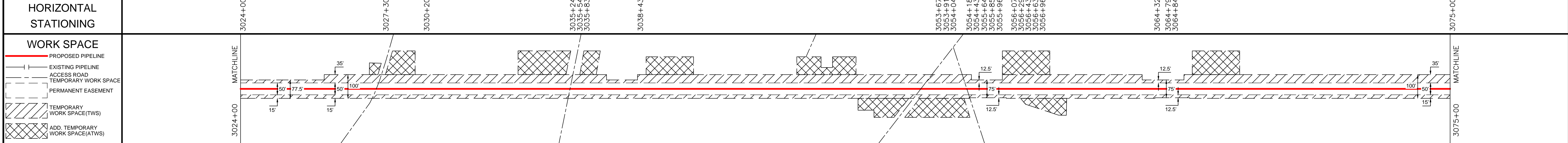
RIGHT-OF-WAY & OWNERSHIP DATA	3024+00	(NC-AL-039.000)	3030+20	(NC-AL-041.000)	(NC-AL-041.000.RC)	(NC-AL-042.000)	(NC-AL-043.000)	(NC-AL-043.000.RC)	(NC-AL-044.000)	(NC-AL-044.000.RC)	(NC-AL-046.000)	3075+00											
		620 LF		504 LF	3035+24	59 LF	3035+83	260 LF	3038+43		1524 LF		3053+67	76 LF	3054+43	121 LF	3055+64	65 LF	3056+29		1871 LF		

DESIGN	PIPE / COATING	
	SLOPE DISTANCE	
CLASS LOCATION / HCA		

ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
	WETLAND / STREAM	



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION



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

REV.	BY	DATE	DESCRIPTION	
			ISSUED FOR REVIEW	REVISION
P1			TRC	ISSUED FOR REVIEW
P2			TRC	REVISION 1, FERC DRAFT

APPROVED FOR CONSTRUCTION

REV.	BY	DATE

APPROVED FOR BIDDING

REV.	BY	DATE

FERC DRAFT

Mountain Valley
PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 3024+00 TO STA. 3075+00

HORIZ. SCALE: 1" = 200'

DRAWN BY: TRC 07/02/18

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P/O NO.:

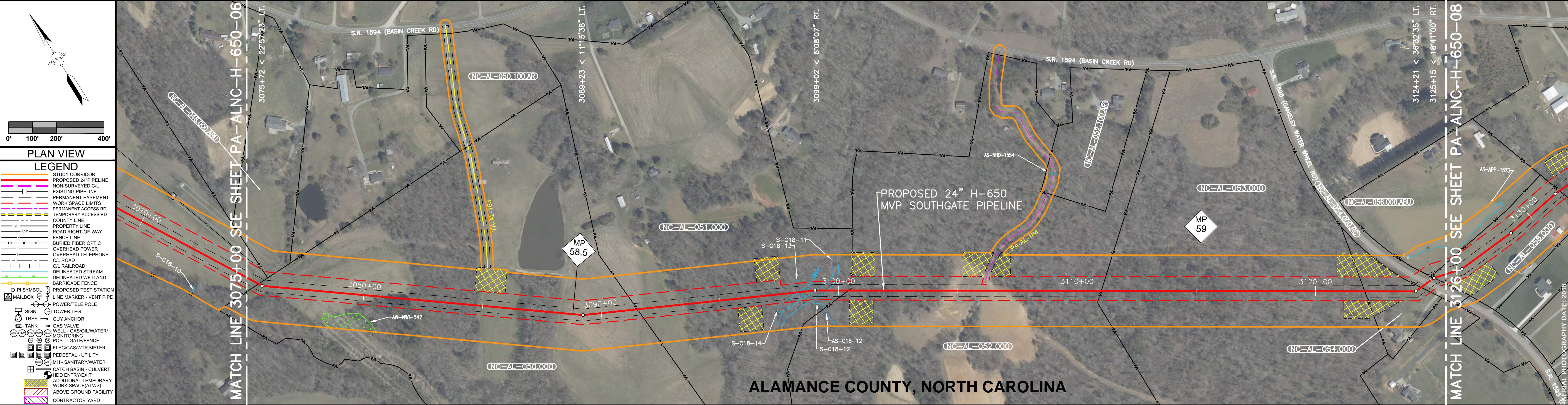
TRC PROJECT NO.: 300423

DRAWING NO.: PA-ALNC-H-650-06

SHEET: 62 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 6:13:43 PM

RIGHT-OF-WAY & OWNERSHIP DATA	
DESIGN	PIPE / COATING
SLOPE DISTANCE	
CLASS LOCATION / HCA	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION
WETLAND / STREAM	S-C18-13 S-C18-11 S-C18-11 30 LF 48 LF



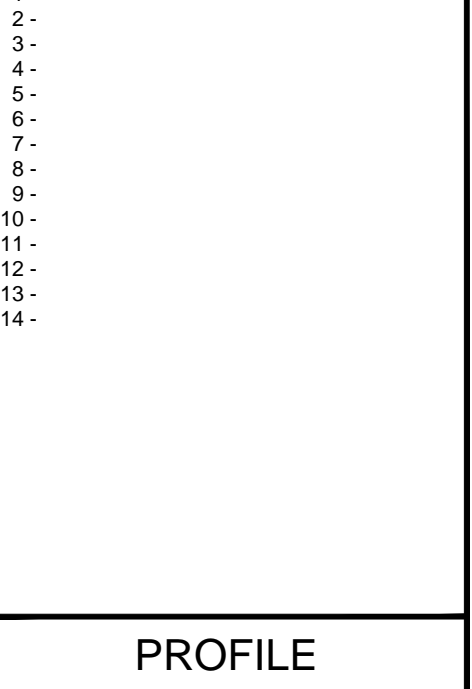
REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

STATIONING	DESCRIPTION
3075+00	MATCHLINE
3075+55	PROPERTY LINE
3091+52	PROPERTY LINE
3098+12	CL STREAM (S-C18-13)
3098+30	BEGIN STREAM (S-C18-11)
3098+60	END STREAM (S-C18-11)
3099+05	BEGIN STREAM (S-C18-11)
3099+53	END STREAM (S-C18-11)
3100+42	PROPERTY LINE
3111+02	PROPERTY LINE
3122+07	PROPERTY LINE
3124+49	PROPERTY LINE, R/W (DANIELLEY WATER WHEEL RD)
3125+16	PROPERTY LINE, R/W
3126+00	MATCHLINE

WORK SPACE

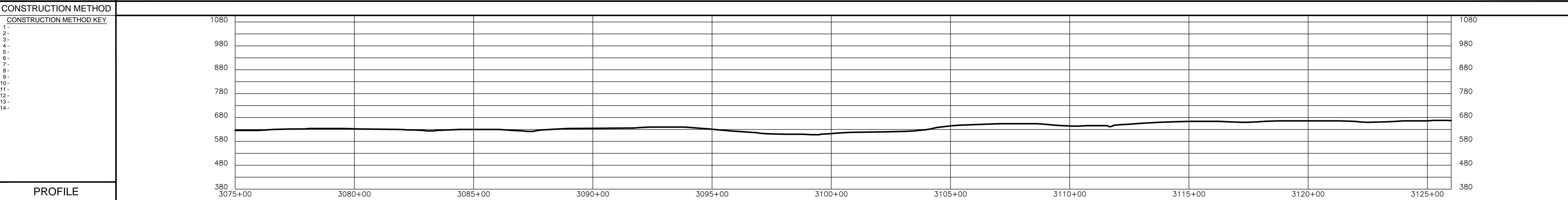
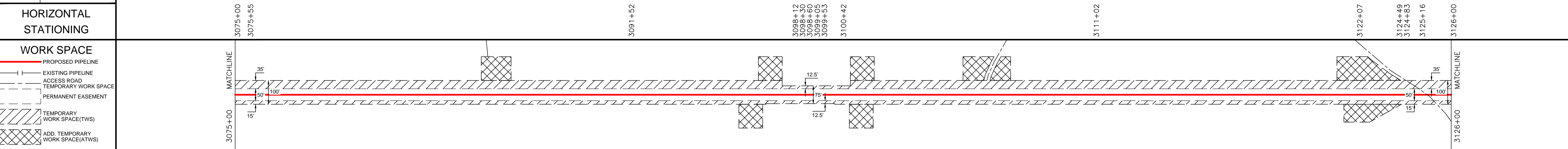


CONSTRUCTION METHOD

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

PROFILE

FERC DRAFT



Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

STA. 3075+00 TO STA. 3126+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-ALNC-H-650-07

SHEET: 63 OF 77 | REV. P2

DATE OF PLOT: 8/18/2018 6:14:00 PM



REVISIONS	
REV. BY	DATE
P1	08/13/18
P2	08/20/18

MATERIAL SUMMARY	
DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION	
REV. BY	DATE

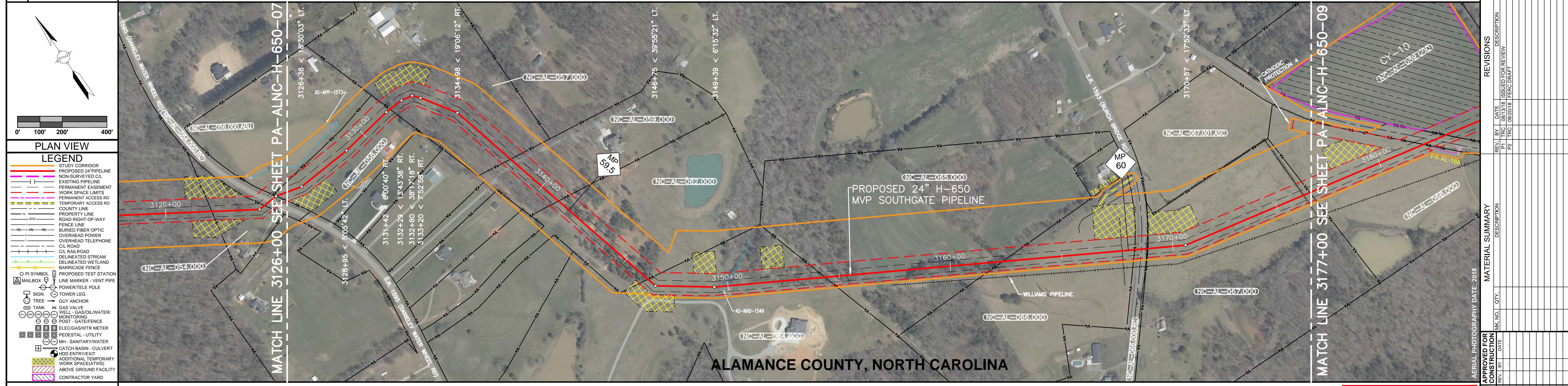
APPROVED FOR BIDDING	
REV. BY	DATE

APPROVED FOR FERC	
REV. BY	DATE

REV. BY	DATE	DESCRIPTION

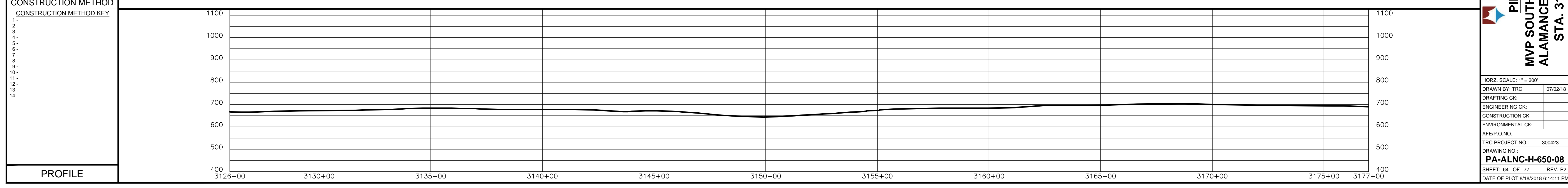
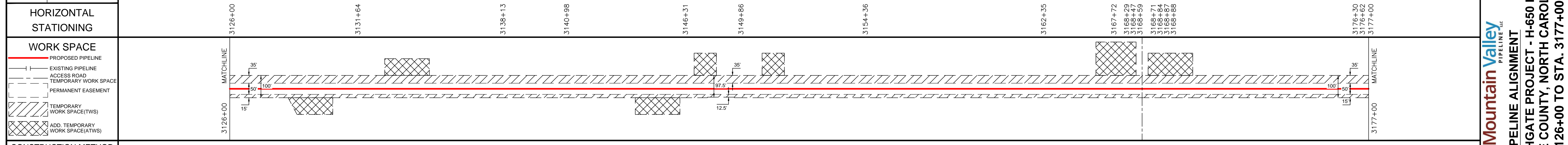
DATE OF PLOT: 8/18/2018 6:14:00 PM

RIGHT-OF-WAY & OWNERSHIP DATA		3126+00	NC-AL-058.000 564 LF	3131+64	NC-AL-057.000 649 LF	3138+13	NC-AL-059.000 285 LF	3140+98	NC-AL-062.000 533 LF	3146+31	NC-AL-064.000 805 LF	3154+36	NC-AL-065.000 799 LF	3162+35	NC-AL-066.000 594 LF	3168+29	NC-AL-066.000.RC 59 LF	3168+88	NC-AL-067.000 774 LF	3176+62	NC-AL-068.000 38 LF	3177+00	
DESIGN	PIPE / COATING																						
	SLOPE DISTANCE																						
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																						
	WETLAND / STREAM																	AS-NHD-1549					



DRAWING NO.	DESCRIPTION

FERC DRAFT



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

APPROVED FOR CONSTRUCTION	DATE

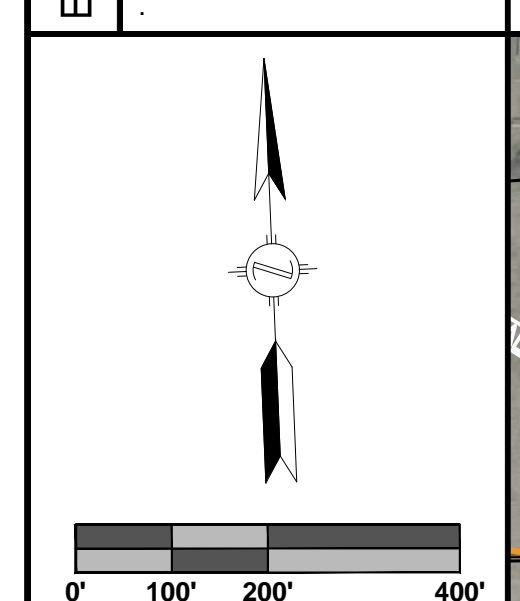
APPROVED FOR BIDDING	DATE

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 3126+00 TO STA. 3177+00

PA-ALNC-H-650-08

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.:
SHEET: 64 OF 77 REV. P2
DATE OF PLOT: 8/18/2018 6:14:11 PM

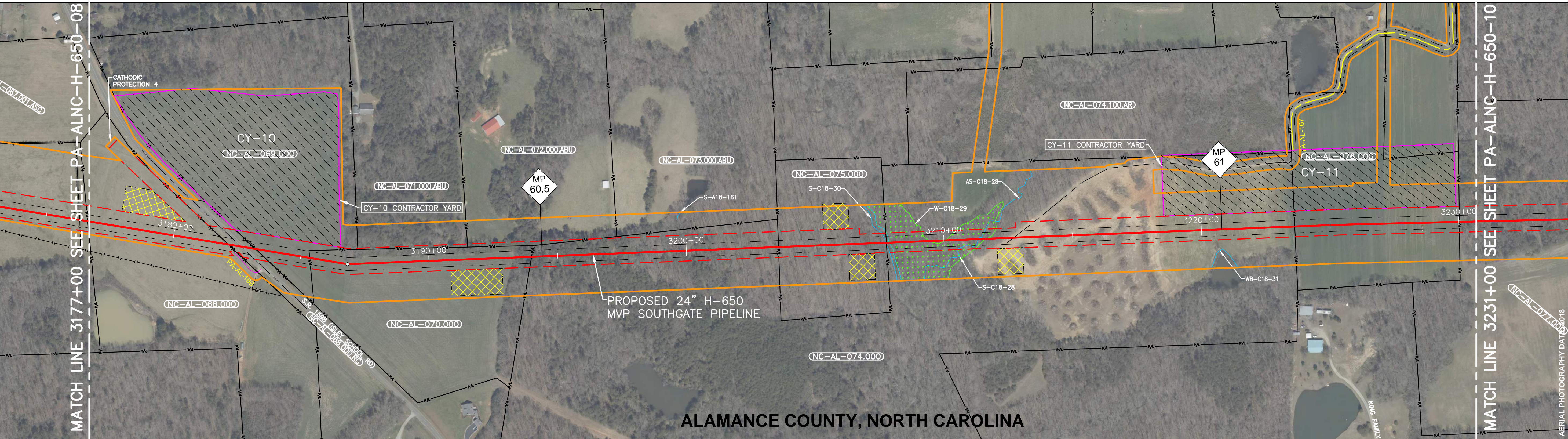
RIGHT-OF-WAY & OWNERSHIP DATA	3177+00	NC-AL-068.000	515 LF	3182+15	NC-AL-068.000(RO)	107 LF	3183+22	NC-AL-069.000	213 LF	3185+35	NC-AL-070.000	864 LF	3193+99	NC-AL-074.000	959 LF	3203+58	NC-AL-075.000	419 LF	3207+77	NC-AL-074.000	1586 LF	3223+63	NC-AL-076.000	639 LF	3230+02	NC-AL-077.000	98 LF	3231+00
DESIGN	PIPE / COATING																											
	SLOPE DISTANCE																											
	CLASS LOCATION / HCA																											
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																											
	WETLAND / STREAM											S-C18-30	W-C18-29	W-C18-29	S-C18-28	W-C18-29												
												13 LF	155 LF	131 LF	1 LF	31 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
- 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 ENTRANCE
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD



REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

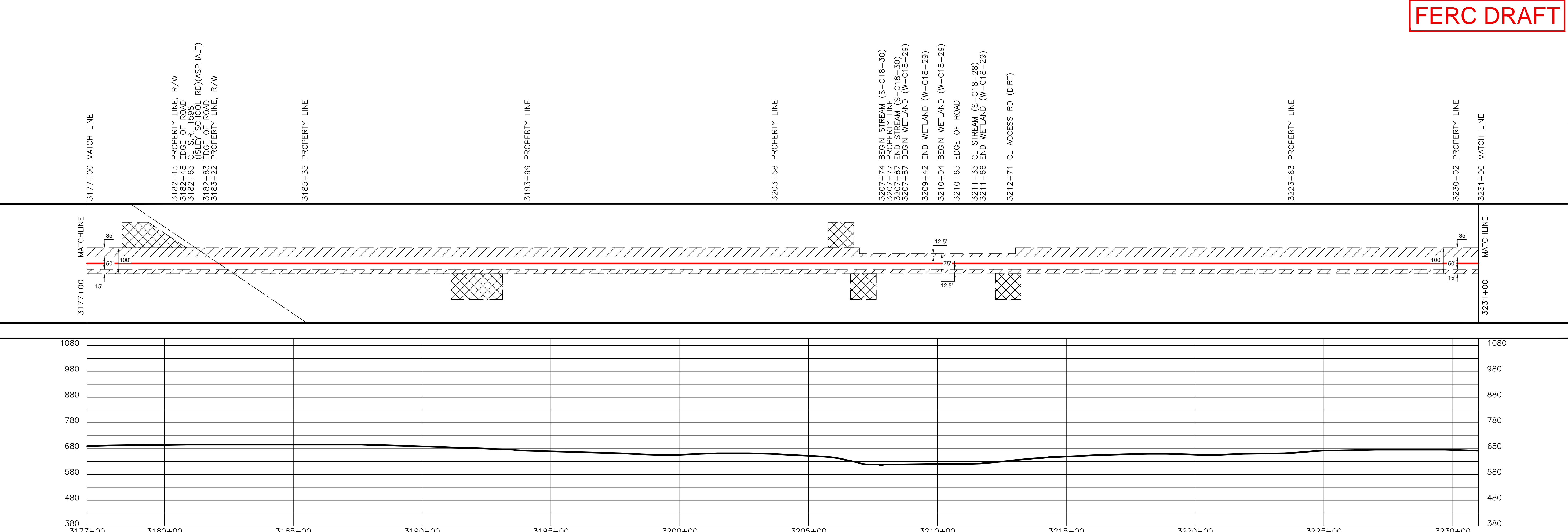
WORK SPACE

- 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



REVISIONS

REV.	BY	DATE	DESCRIPTION

MATERIAL SUMMARY

ITEM NO.	DESCRIPTION	QTY.	UNIT

APPROVED FOR CONSTRUCTION

REV.	BY	DATE

Mountain Valley

PIPELINE LLC

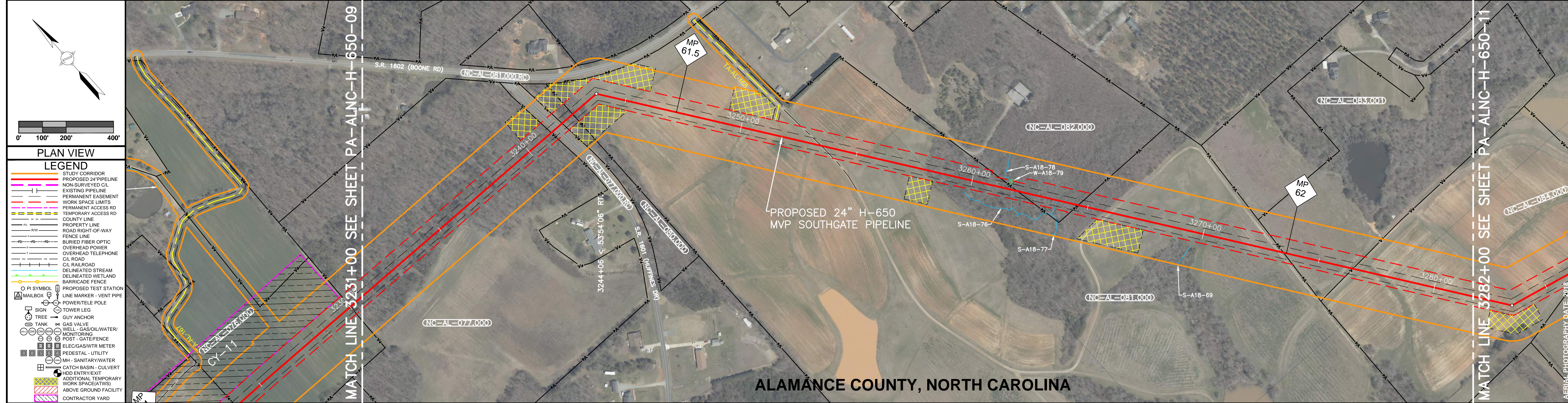
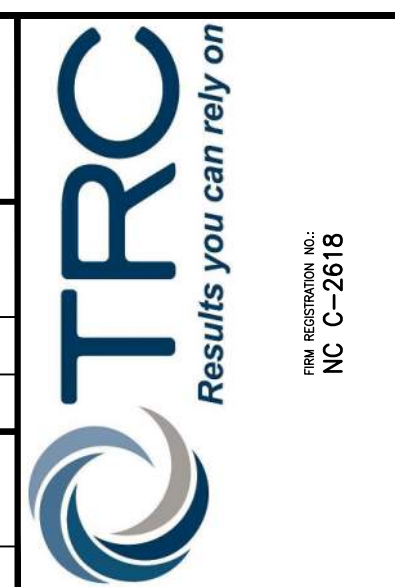
PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

STA. 3177+00 TO STA. 3231+00

RIGHT-OF-WAY & OWNERSHIP DATA		3231+00	NC-AL-077.000 1022 LF	3241+22	NC-AL-077.000.RC 61 LF	NC-AL-080.000 3241+83 59 LF	3242+42	NC-AL-081.000 1954 LF	3261+96	NC-AL-082.000 263 LF	3264+59	NC-AL-081.000 888 LF	3273+47	NC-AL-083.001 301 LF	3276+48	NC-AL-084.000 552 LF	3282+00	
DESIGN		PIPE / COATING																
		SLOPE DISTANCE																
		CLASS LOCATION / HCA																
ENVIRONMENTAL		CONSTRUCTION EXCLUSION																
		WETLAND / STREAM																
		S-A18-78																



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
- BIURD 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
- TREE
- GUY ANCHOR
- GAS VALVE
- WELL - GAS/OIL/WATER
- MONITORING
- POST - GATE FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MI - SANITARY WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY/EXIT
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REVISIONS

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/31/18	ISSUED FOR REVIEW
P2	TRC	08/20/18	FERC DRAFT

MATERIAL SUMMARY

WKS. NO.	QTY.	DESCRIPTION

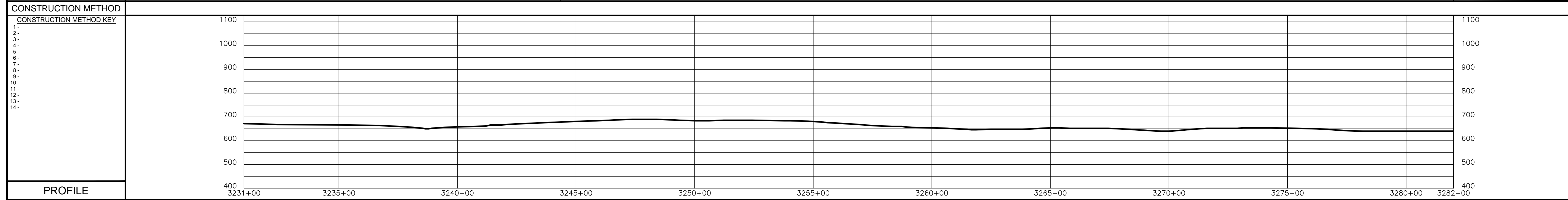
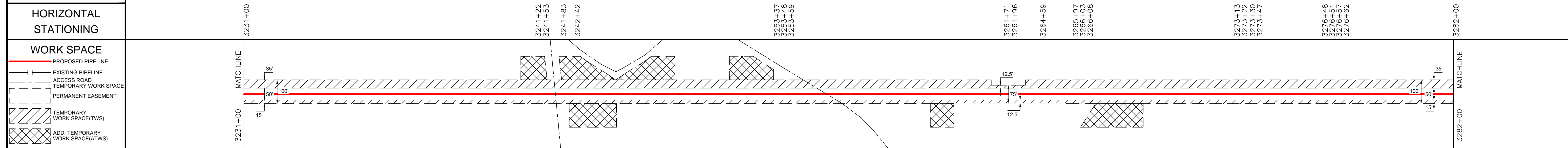
APPROVED FOR CONSTRUCTION

APPROVED FOR FERC

FERC DRAFT

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION



APPROVED FOR CONSTRUCTION

APPROVED FOR FERC

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

STA. 3231+00 TO STA. 3282+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

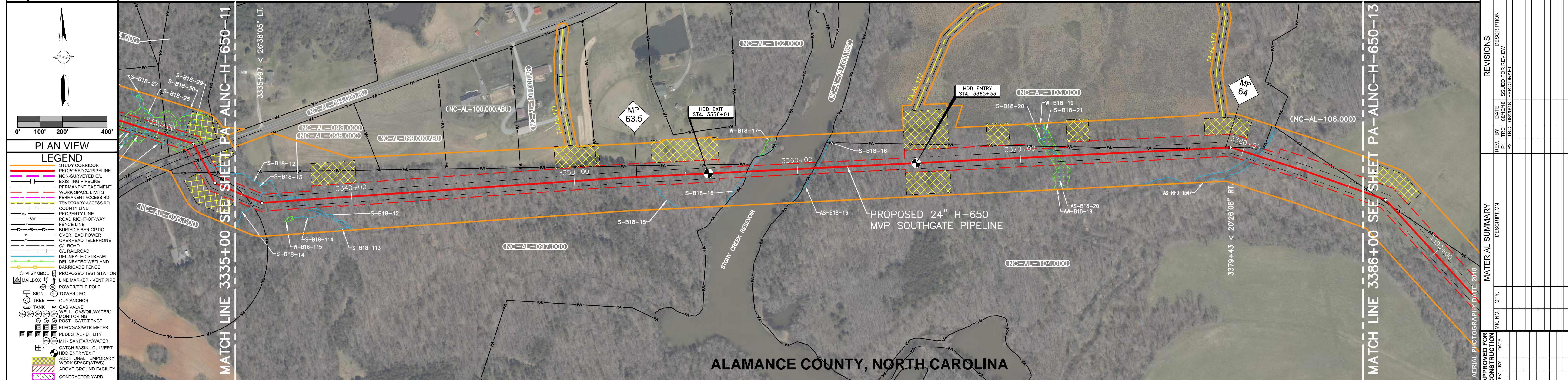
DRAWING NO.:

PA-ALNC-H-650-10

SHEET: 66 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 6:14:31 PM

RIGHT-OF-WAY & OWNERSHIP DATA		3335+00	NC-AL-096.000	13 LF	3335+13	NC-AL-097.000	2261 LF	3357+74	NC-AL-097.000.WBO	301 LF	3360+75	NC-AL-104.000	1734 LF	3378+09	NC-AL-103.000	50 LF	3378+59	NC-AL-104.000	76 LF	3379+35	NC-AL-103.000	10 LF	3379+45	NC-AL-104.000	655 LF	3386+00
DESIGN	PIPE / COATING																									
	SLOPE DISTANCE																									
	CLASS LOCATION / HCA																									
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																									
	WETLAND / STREAM	S-B18-14	S-B18-12	21 LF	S-B18-16	304 LF	AW-B18-19	43 LF	AS-B18-20	1 LF	AW-B18-19	4 LF	AS-NHD-1547	25 LF												

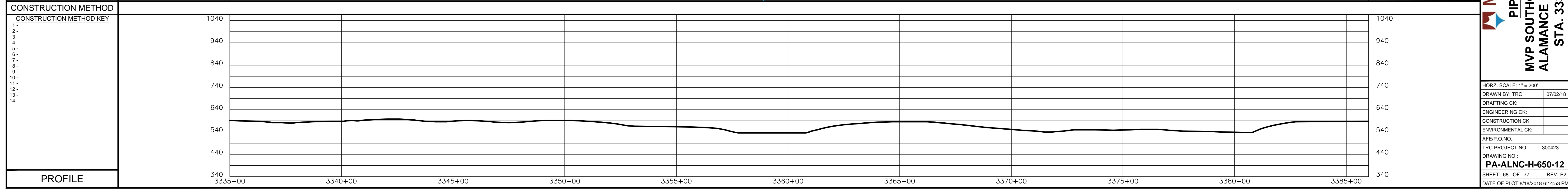
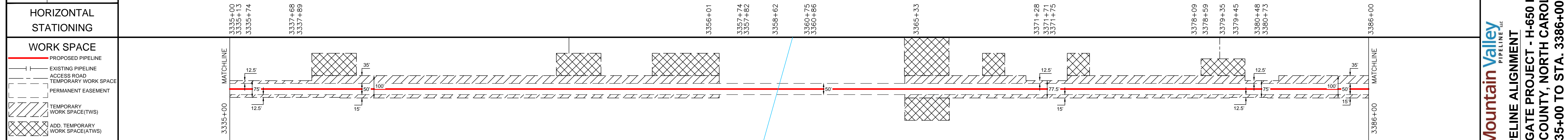


PLAN VIEW

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

REFERENCE DRAWINGS																									
DRAWING NO.	DESCRIPTION																								
		FERC DRAFT																							



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

REVISIONS

REV.	BY	DATE	DESCRIPTION
P1	TRC	08/31/18	ISSUED FOR REVIEW
P2	TRC	09/20/18	FERC DRAFT

MATERIAL SUMMARY

ITEM NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV.	BY	DATE	DESCRIPTION

APPROVED FOR BIDDING

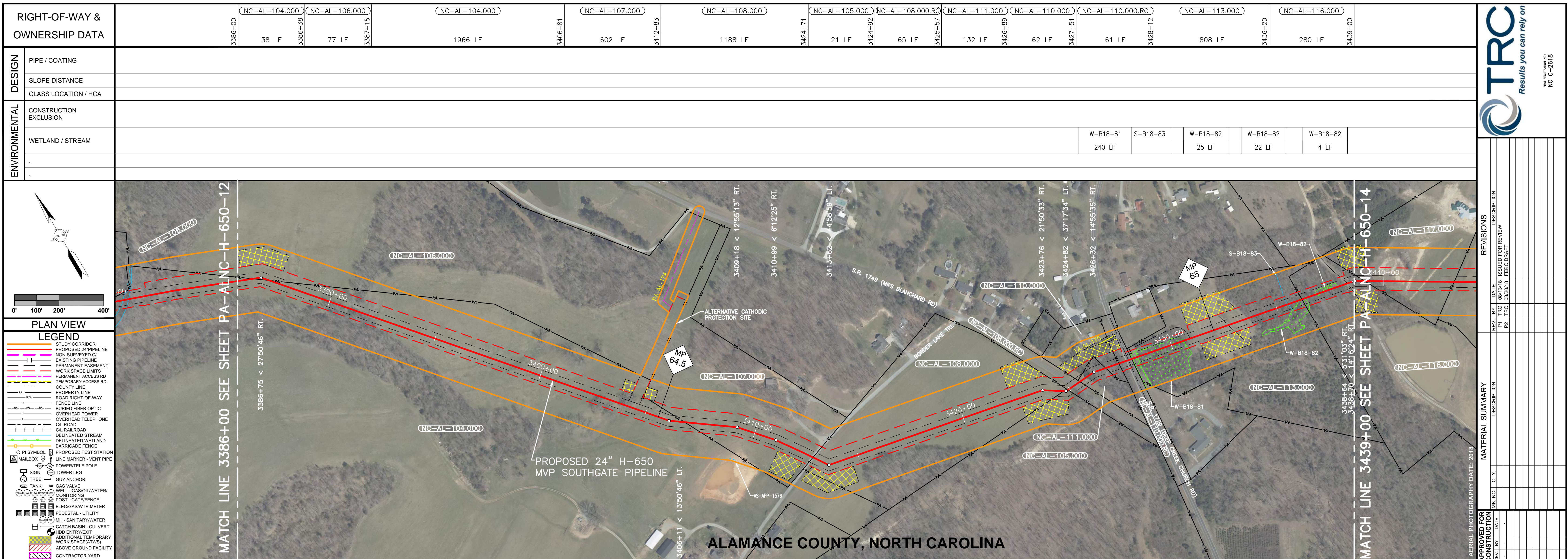
REV.	BY	DATE	DESCRIPTION

APPROVED FOR FERC

REV.	BY	DATE	DESCRIPTION

Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 3335+00 TO STA. 3386+00

HORIZ. SCALE: 1" = 200'
DRAWN BY: TRC 07/02/18
DRAFTING CK:
ENGINEERING CK:
CONSTRUCTION CK:
ENVIRONMENTAL CK:
A/E/P O. NO.:
TRC PROJECT NO.: 300423
DRAWING NO.: PA-ALNC-H-650-12
SHEET: 68 OF 77 REV. P2
DATE OF PLOT: 8/18/2018 6:14:53 PM



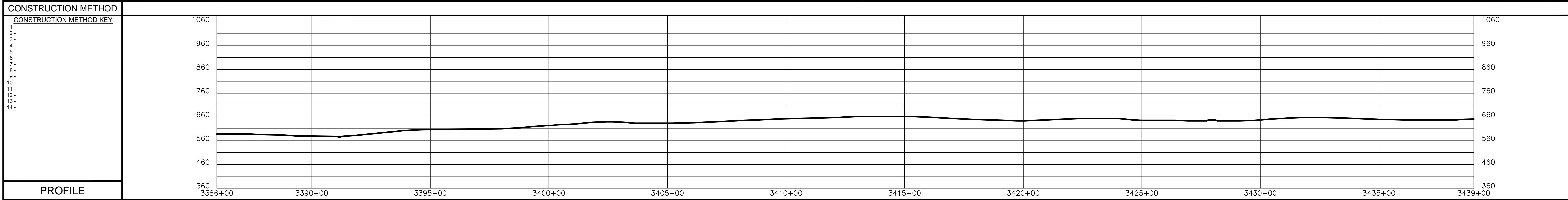
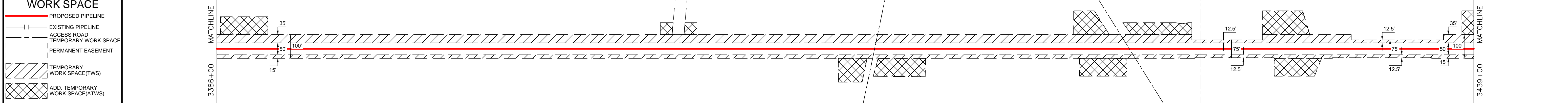
REVISIONS	
NO.	DESCRIPTION

MATERIAL SUMMARY	
MARK	DESCRIPTION

DRAWING NO.	DESCRIPTION

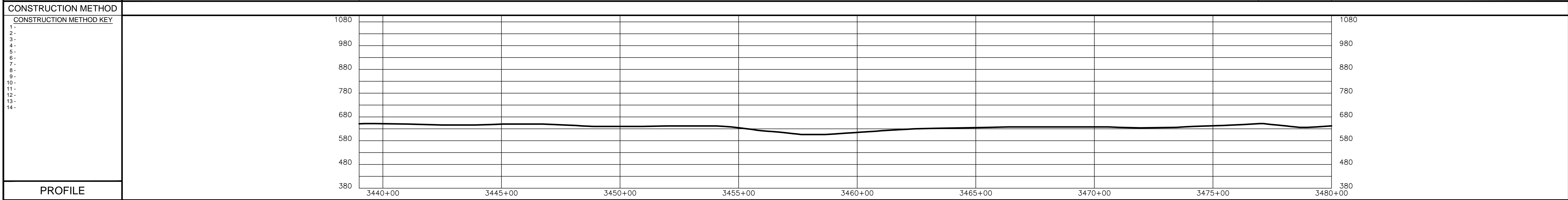
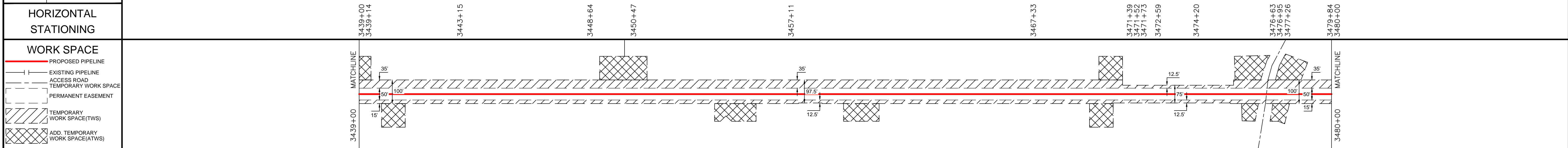
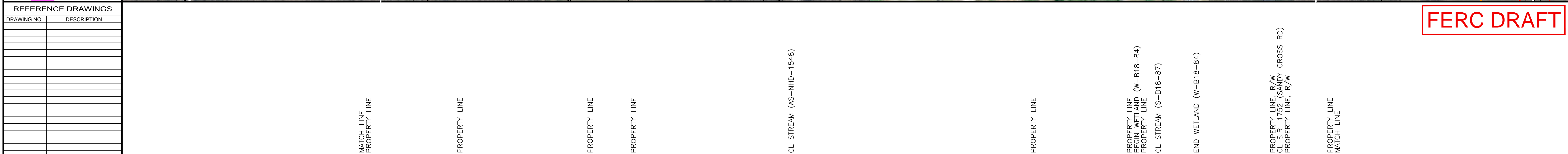
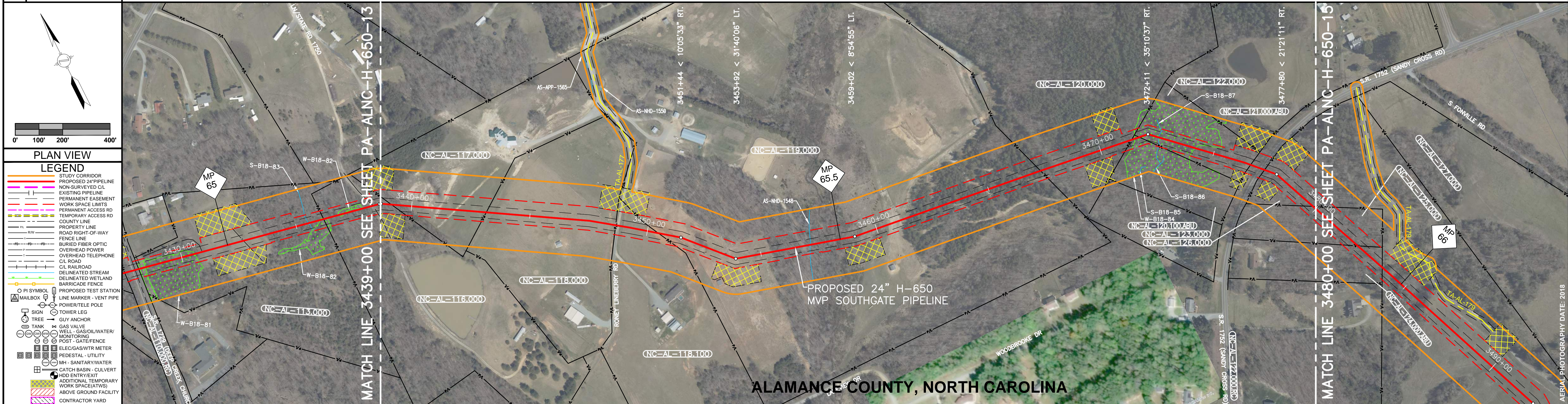
FERC DRAFT

HORIZONTAL STATIONING
3386+00 MATCH LINE 3386+38 PROPERTY LINE 3387+15 PROPERTY LINE
3406+81 PROPERTY LINE
3412+83 PROPERTY LINE
3424+71 PROPERTY LINE
3424+92 PROPERTY LINE, R/W 3425+25 (MRS. BLANCHARD RD) 3425+57 PROPERTY LINE, R/W
3426+89 PROPERTY LINE
3427+51 PROPERTY LINE, R/W 3427+87 EDGE OF ROAD 3427+97 CL S.R. 1729 3428+07 (DEEP CREEK CHURCH RD)(ASPHALT) 3428+12 PROPERTY LINE, R/W 3428+16 BEGIN WETLAND (W-B18-81)
3430+56 END WETLAND (W-B18-81)
3432+69 FENCE, 4" ELECTRIC
3435+54 CL STREAM (S-B18-83) 3436+00 BEGIN WETLAND (W-B18-82) 3436+30 END WETLAND (W-B18-82) 3436+69 BEGIN WETLAND (W-B18-82) 3437+10 END WETLAND (W-B18-82) 3437+86 BEGIN WETLAND (W-B18-82) 3438+33 EDGE OF ROAD (W-B18-82) 3438+36 CL PRIVATE RD (GRAVEL) 3438+41 EDGE OF ROAD
3439+00 MATCH LINE



<p style="margin:0;">Mountain Valley PIPELINE LLC</p> <p style="margin:0;">PIPELINE ALIGNMENT</p> <p style="margin:0;">MVP SOUTHGATE PROJECT - H-650 LINE ALAMANCE COUNTY, NORTH CAROLINA STA. 3386+00 TO STA. 3439+00</p>	<p style="margin:0;">APPROVED FOR CONSTRUCTION DATE: 08/13/18</p> <p style="margin:0;">APPROVED FOR BIDDING DATE: 08/13/18</p> <p style="margin:0;">DATE OF PLOT: 8/18/2018 6:15:10 PM</p>
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RIGHT-OF-WAY & OWNERSHIP DATA		3439+00	NC-AL-116.000	3439+14	NC-AL-117.000	3443+15	NC-AL-118.000	3448+64	NC-AL-118.100	3450+47	NC-AL-119.000	3467+33	NC-AL-120.000	3471+39	NC-AL-123.000	3471+73	NC-AL-122.000	3476+63	NC-AL-122.000.R0	3477+26	NC-AL-126.000	3479+84	NC-AL-125.000	3480+00	
		14 LF		401 LF		549 LF		183 LF		1686 LF		406 LF		34 LF		490 LF		63 LF		258 LF		16 LF			
DESIGN	PIPE / COATING																								
	SLOPE DISTANCE																								
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																								
	WETLAND / STREAM												AS-NHD-1548				W-B18-84 107 LF	S-B18-87 1 LF	W-B18-84 161 LF						



Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 3439+00 TO STA. 3480+00

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

REVISIONS

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

MATERIAL SUMMARY

ITEM NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV. BY	DATE	DESCRIPTION

APPROVED FOR BIDDING

REV. BY	DATE	DESCRIPTION

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

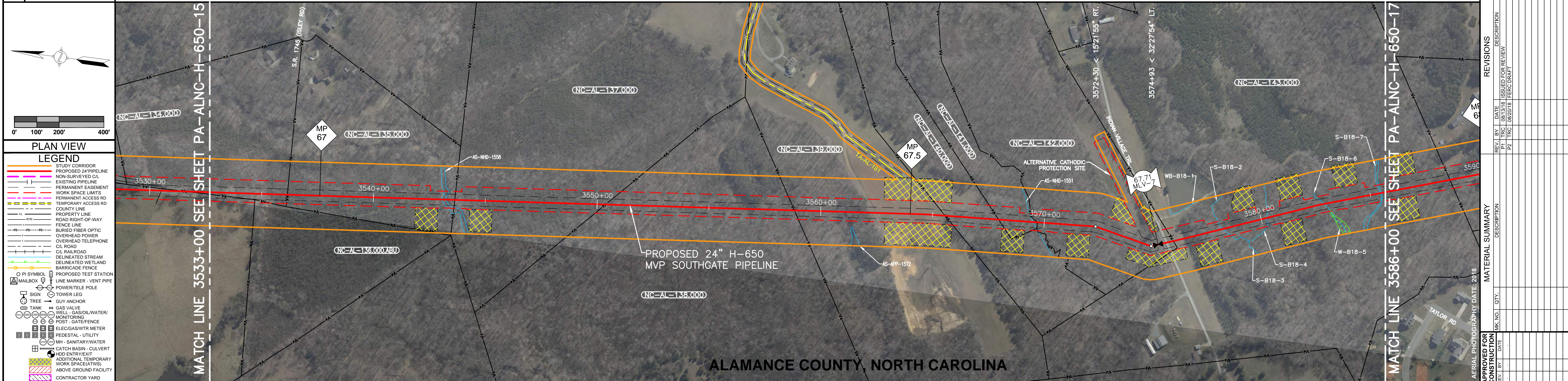
NO.	DESCRIPTION
1	1080
2	980
3	880
4	780
5	680
6	580
7	480
8	380
9	
10	
11	
12	
13	
14	

PROFILE

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-ALNC-H-650-14
 SHEET: 70 OF 77 REV. P2
 DATE OF PLOT: 8/18/2018 6:15:26 PM

RIGHT-OF-WAY & OWNERSHIP DATA		NC-AL-134.000	NC-AL-135.000	NC-AL-137.000	NC-AL-138.000	NC-AL-139.000	NC-AL-140.000	NC-AL-141.000	NC-AL-142.000	NC-AL-143.000
PIPE / COATING		315 LF	748 LF	675 LF	844 LF	675 LF	239 LF	174 LF	625 LF	1005 LF
SLOPE DISTANCE										
CLASS LOCATION / HCA										
CONSTRUCTION EXCLUSION										
WETLAND / STREAM			AS-NHD-1558 17 LF				AS-NHD-1551		S-B18-2 S-B18-4 S-B18-6	S-B18-7 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
- DELIMITED STREAM
- DELIMITED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- 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

REVISIONS

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

MATERIAL SUMMARY

ITEM NO.	DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION

REV.	BY	DATE

APPROVED FOR BIDDING

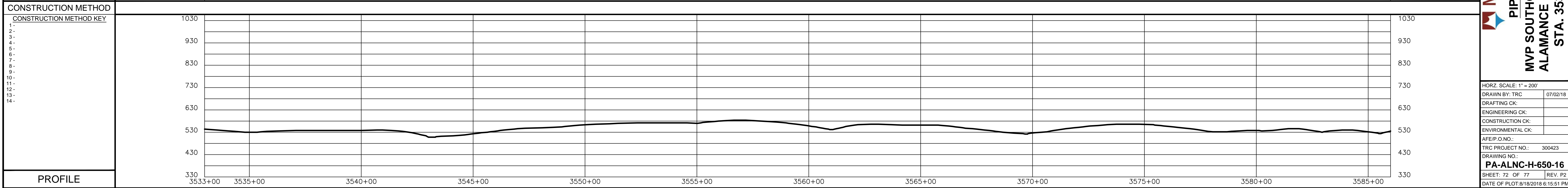
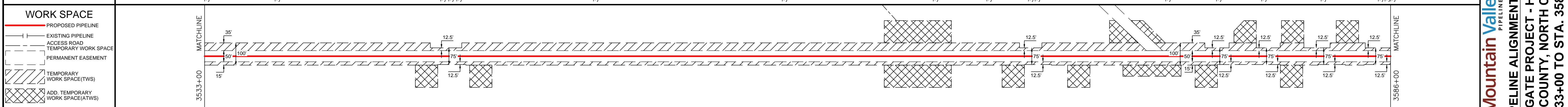
REV.	BY	DATE

AERIAL PHOTOGRAPHY DATE: 2018

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

FERC DRAFT



Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

STA. 3533+00 TO STA. 3586+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-ALNC-H-650-16

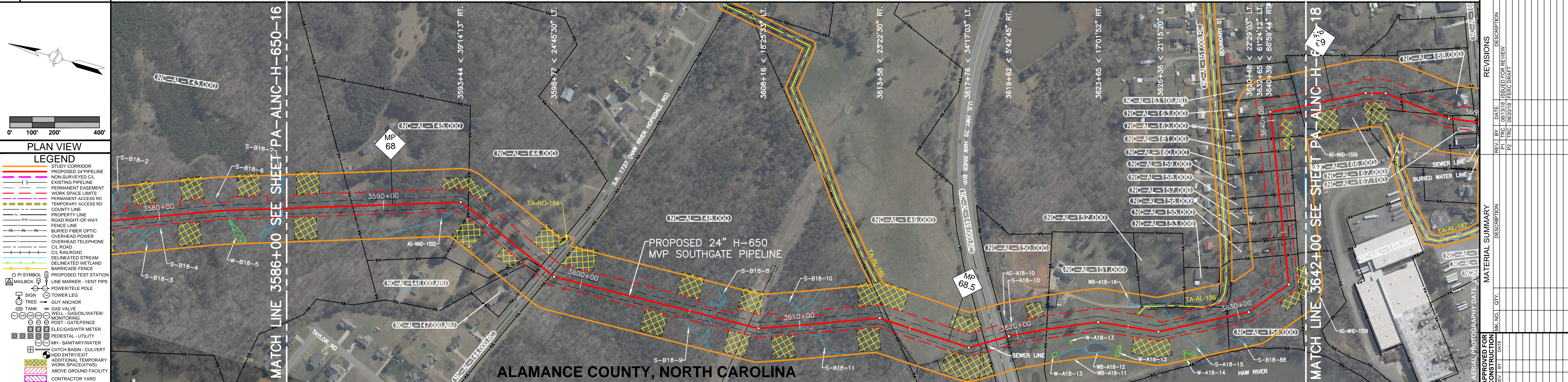
SHEET: 72 OF 77 REV. P2

DATE OF PLOT: 8/18/2018 6:15:51 PM

RIGHT-OF-WAY & OWNERSHIP DATA	3586+00	NC-AL-143.000	NC-AL-145.000	NC-AL-144.000	NC-AL-144.000	NC-AL-148.000	NC-AL-149.000	NC-AL-149.000	NC-AL-150.000	NC-AL-151.000	NC-AL-154.000	NC-AL-155.000	NC-AL-156.000	NC-AL-157.000	NC-AL-158.000	NC-AL-159.000	NC-AL-160.000	NC-AL-161.000	NC-AL-162.000	NC-AL-163.000	NC-AL-166.000	3642+00
DESIGN		262 LF	524 LF	416 LF	60 LF	1542 LF	448 LF	100 LF	181 LF	818 LF	446 LF	71 LF	81 LF	66 LF	54 LF	107 LF	85 LF	59 LF	106 LF	145 LF	29 LF	3642+00

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

ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
	WETLAND / STREAM	AS-NHD-1552 S-B18-8 13 LF S-B18-11 S-A18-10 S-A18-15 AS-NHD-1559

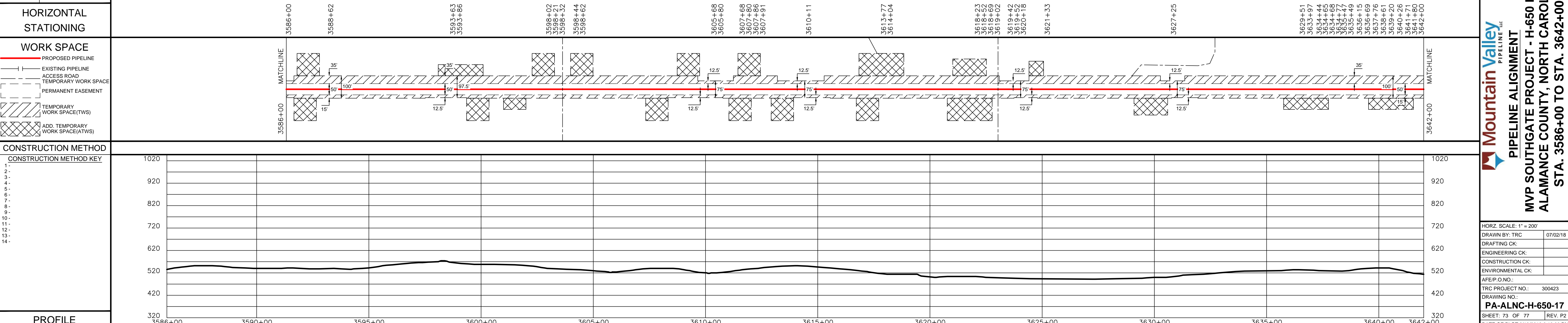


REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

FERC DRAFT

ALAMEDA COUNTY, NORTH CAROLINA



REVISIONS

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

MATERIAL SUMMARY

ITEM NO.	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
 ALAMEDA COUNTY, NORTH CAROLINA
 STA. 3586+00 TO STA. 3642+00

HORIZ. SCALE: 1" = 200'

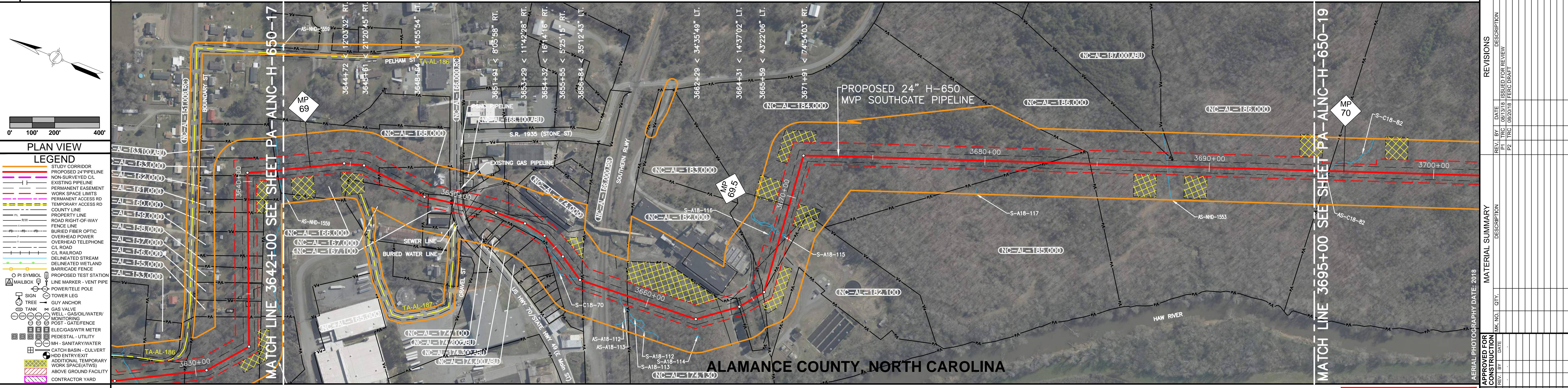
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 DRAFTING CK:
 ENGINEERING CK:
 CONSTRUCTION CK:
 ENVIRONMENTAL CK:

AFE/P.O. NO.:
 TRC PROJECT NO.: 300423
 DRAWING NO.:
PA-ALNC-H-650-17
 SHEET: 73 OF 77 REV. P2
 DATE OF PLOT: 8/18/2018 6:16:00 PM

RIGHT-OF-WAY & OWNERSHIP DATA	3642+00	NC-AL-166.000	NC-AL-168.000	NC-AL-167.000	NC-AL-167.100	NC-AL-166.000.RC	NC-AL-174.000	NC-AL-174.100	NC-AL-174.000	NC-AL-166.000.RR	NC-AL-174.130	NC-AL-182.000	NC-AL-182.100	NC-AL-184.000	NC-AL-185.000	NC-AL-186.000	3695+00													
	437 LF	3646+37	181 LF	3648+18	64 LF	3648+82	106 LF	3649+88	58 LF	3650+46	84 LF	3651+30	5 LF	3651+35	560 LF	3656+95	213 LF	3659+08	522 LF	3664+30	122 LF	3665+52	2 LF	3665+54	1719 LF	3682+83	186 LF	3684+69	1031 LF	3695+00

DESIGN	PIPE / COATING	
SLOPE DISTANCE		
CLASS LOCATION / HCA		

ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
WETLAND / STREAM	S-A18-115 6 LF	AS-NHD-1553

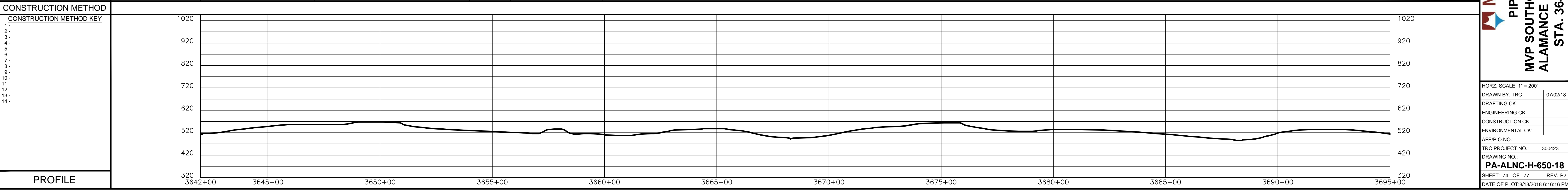


PLAN VIEW LEGEND

- STUDY CORRIDOR
- PROPOSED 24\"/>
- 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
- DELIMITED STREAM
- DELIMITED WETLAND
- BARRICADE FENCE
- PROPOSED TEST STATION
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- TOWER LEG
- GUY ANCHOR
- TREE
- GAS VALVE
- WELL - GAS/OIL/WATER
- MONITORING
- POST - GATE/FENCE
- ELECTRICAL METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRY EXIST
- ADDITIONAL TEMPORARY WORK SPACE(TWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING	WORK SPACE
3642+00 MATCH LINE	PROPOSED PIPELINE
3646+37 PROPERTY LINE	EXISTING PIPELINE
3648+18 PROPERTY LINE	ACCESS ROAD
3648+82 PROPERTY LINE	TEMPORARY WORK SPACE
3649+88 PROPERTY LINE, R/W	PERMANENT EASEMENT
3649+90 BURIED FIBER OPTIC CABLE	TEMPORARY WORK SPACE(TWS)
3649+97 WATER LINE	ADD. TEMPORARY WORK SPACE(ATWS)
3649+98 EDGE OF ROAD	
3650+16 CL US HWY 70/STATE HWY 49	
3650+35 CL HWY 70/STATE HWY 49	
3650+39 SIDEWALK	
3650+40 OVERHEAD POWER LINE	
3650+46 PROPERTY LINE, R/W	
3650+51 EDGE OF ROAD	
3650+81 EDGE OF ROAD (ASPHALT)	
3651+10 OVERHEAD POWER LINE	
3651+30 PROPERTY LINE	
3651+35 PROPERTY LINE	
3656+95 PROPERTY LINE, R/W	
3658+02 SOUTHERN R/W	
3659+08 PROPERTY LINE, R/W	
3663+44 OVERHEAD POWER LINE	
3663+83 EDGE OF ROAD	
3663+91 CL DRIVEWAY (ASPHALT)	
3663+97 EDGE OF ROAD	
3664+40 PROPERTY LINE, R/W	
3664+42 FENCE, 5' CHAIN LINK	
3665+22 FENCE, 5' CHAIN LINK	
3665+52 PROPERTY LINE	
3665+69 PROPERTY LINE	
3667+65 FENCE, 5' CHAIN LINK	
3668+25 BEGIN STREAM (S-A18-115)	
3668+31 END STREAM (S-A18-115)	
3682+83 PROPERTY LINE	
3684+69 PROPERTY LINE	
3688+14 CL STREAM (AS-NHD-1553)	
3695+00 MATCH LINE	



REVISIONS	REV. BY	DATE	DESCRIPTION
P1	TRC	08/31/18	ISSUED FOR REVIEW
P2	TRC	09/20/18	FERC DRAFT

MATERIAL SUMMARY	DESCRIPTION	QTY.

APPROVED FOR CONSTRUCTION	DATE

FERC DRAFT

Mountain Valley PIPELINE LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

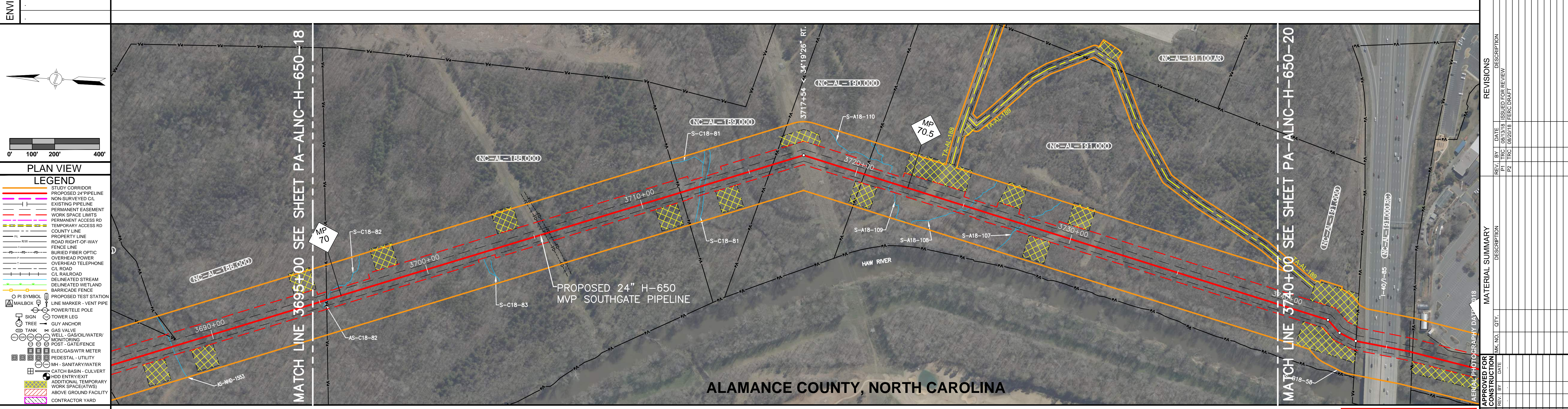
STA. 3642+00 TO STA. 3695+00

HORZ. SCALE: 1" = 200'	
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DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/P.O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-ALNC-H-650-18	
SHEET: 74 OF 77	REV: P2
DATE OF PLOT: 8/18/2018 6:16:16 PM	

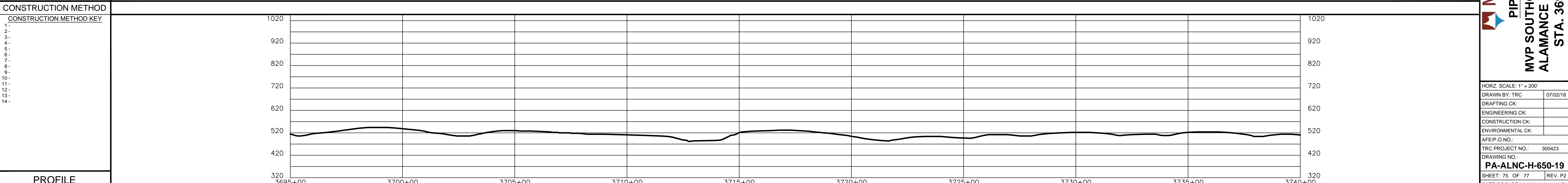
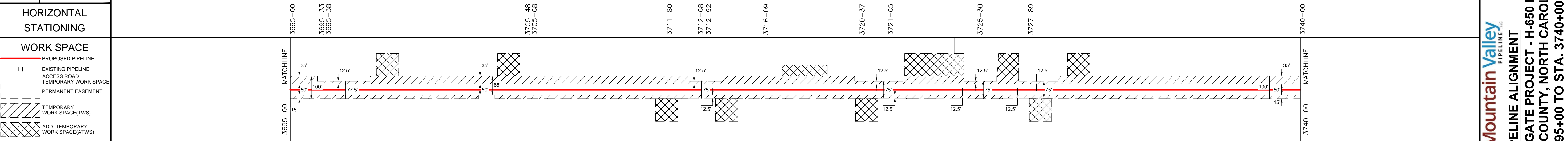
RIGHT-OF-WAY & OWNERSHIP DATA	3695+00	NC-AL-186.000 33 LF	3695+33	NC-AL-188.000 1647 LF	3711+80	NC-AL-189.000 429 LF	3716+09	NC-AL-190.000 428 LF	3720+37	NC-AL-191.000 1963 LF	3740+00
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DESIGN	PIPE / COATING											
	SLOPE DISTANCE											
	CLASS LOCATION / HCA											

ENVIRONMENTAL	CONSTRUCTION EXCLUSION											
	WETLAND / STREAM	S-C18-82	S-C18-81 24 LF	S-A18-109	S-A18-108	S-A18-107						



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION
<p style="text-align: right;">FERC DRAFT</p>		



REVISIONS	
REV. BY	DESCRIPTION
P1 TRC	ISSUED FOR REVIEW
P2 TRC	REVISION 1 FERC DRAFT

MATERIAL SUMMARY	
MARK. NO.	QTY.

APPROVED FOR CONSTRUCTION	
REV. BY	DATE

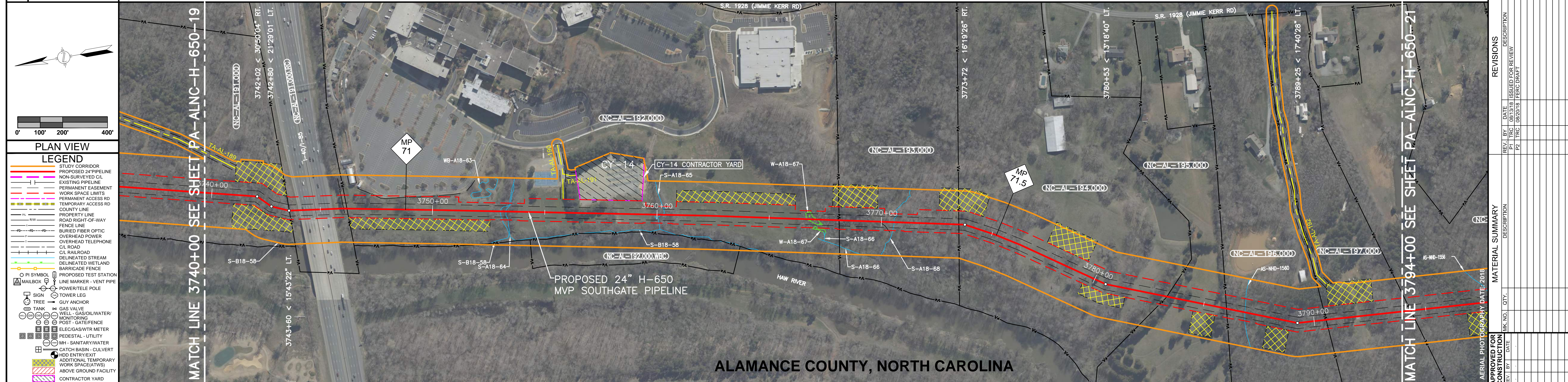
Mountain Valley
 PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 3695+00 TO STA. 3740+00

HORIZ. SCALE: 1" = 200'	
DRAWN BY: TRC	07/02/18
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:	
AFE/P.O. NO.:	
TRC PROJECT NO.:	300423
DRAWING NO.:	
PA-ALNC-H-650-19	
SHEET: 75 OF 77	REV. P2
DATE OF PLOT: 8/18/2018 6:16:26 PM	

RIGHT-OF-WAY & OWNERSHIP DATA	3740+00	NC-AL-191.000 362 LF	NC-AL-191.000.RC 3743+62 257 LF	3746+19	NC-AL-192.000 2193 LF	3768+12	NC-AL-193.000 533 LF	3773+45	NC-AL-194.000 987 LF	3783+32	NC-AL-195.000 271 LF	3786+03	NC-AL-196.000 451 LF	3790+54	NC-AL-197.000 346 LF	3794+00
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DESIGN	PIPE / COATING	
SLOPE DISTANCE		
CLASS LOCATION / HCA		

ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
WETLAND / STREAM	S-A18-64 26 LF	S-A18-65 S-A18-66 S-A18-67 44 LF S-A18-68 AS-NHD-1560



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
- CL ROAD
- CL RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRICADE FENCE
- 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
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ROAD ENTRANCE
- ADDITIONAL TEMPORARY WORK SPACE (ATWS)
- ABOVE GROUND FACILITY
- CONTRACTOR YARD

TRC

Results you can rely on

INC. REGISTRATION NO. 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

ITEM NO.	QTY.	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV.	BY	DATE

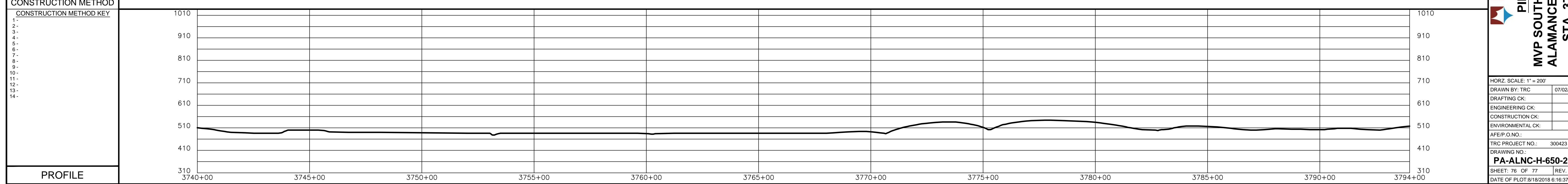
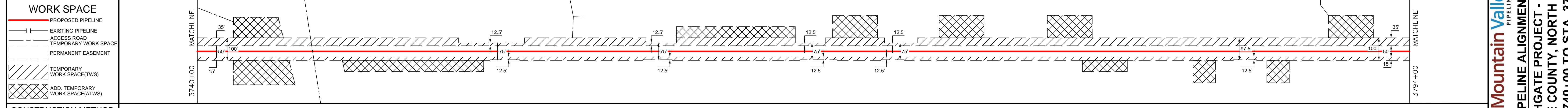
FERC DRAFT

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

STATIONING	DESCRIPTION
3740+00	MATCH LINE
3743+62	PROPERTY LINE, R/W
3744+07	EDGE OF ROAD
3744+10	EDGE OF ROAD
3745+03	EDGE OF ROAD
3745+57	EDGE OF ROAD
3746+19	PROPERTY LINE, R/W
3753+02	BEGIN STREAM (S-A18-64)
3753+28	END STREAM (S-A18-64)
3760+20	CL STREAM (S-A18-65)
3766+70	BEGIN WETLAND (W-A18-67)
3767+13	END WETLAND (W-A18-67)
3768+12	PROPERTY LINE
3769+90	FENCE, 4' BARBED WIRE
3770+58	CL STREAM (S-A18-68)
3773+45	PROPERTY LINE
3783+32	PROPERTY LINE
3786+03	PROPERTY LINE
3786+87	CL STREAM (AS-NHD-1560)
3790+54	PROPERTY LINE
3794+00	MATCH LINE



Mountain Valley Pipeline LLC

PIPELINE ALIGNMENT

MVP SOUTHGATE PROJECT - H-650 LINE

ALAMANCE COUNTY, NORTH CAROLINA

STA. 3740+00 TO STA. 3794+00

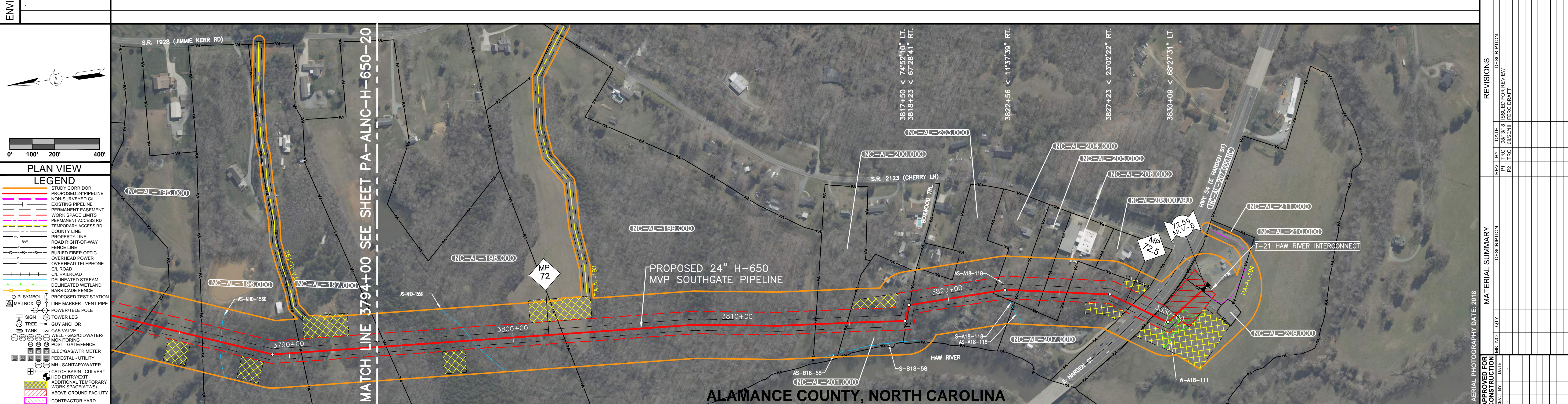
HORZ. SCALE: 1" = 200'

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-ALNC-H-650-20		
SHEET: 76 OF 77	REV. P2	
DATE OF PLOT: 8/18/2018 6:16:37 PM		

RIGHT-OF-WAY & OWNERSHIP DATA	3794+00	NC-AL-197.000	3794+33	NC-AL-198.000	3802+22	NC-AL-199.000	3813+50	NC-AL-200.000	3814+90	NC-AL-201.000	3818+25	NC-AL-203.000	3822+04	NC-AL-204.000	3823+18	NC-AL-205.000	3824+27	NC-AL-206.000	3825+32	NC-AL-207.000	3828+33	NC-AL-207.000	3829+39	NC-AL-210.000	3832+16	NC-AL-211.000	3832+71
		33 LF		789 LF		1128 LF		140 LF		335 LF		379 LF		114 LF		109 LF		105 LF		301 LF		106 LF		277 LF		23 LF	

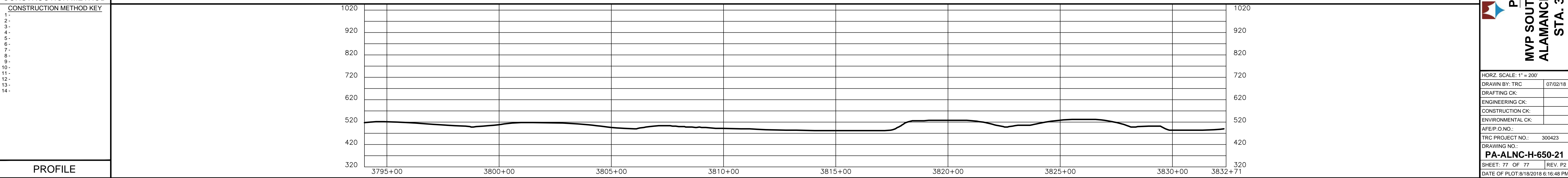
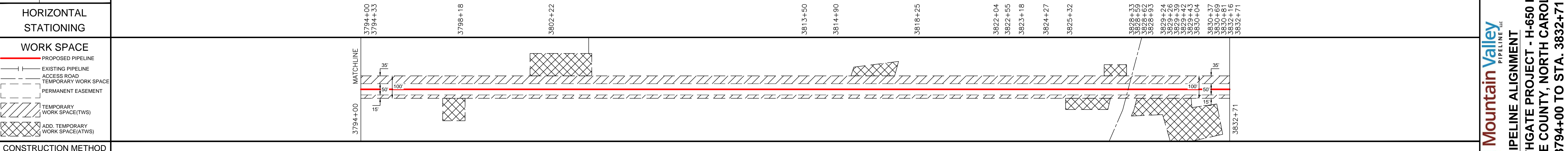
DESIGN	PIPE / COATING	
SLOPE DISTANCE		
CLASS LOCATION / HCA		

ENVIRONMENTAL	CONSTRUCTION EXCLUSION	
WETLAND / STREAM	AS-NHD-1556	AS-A18-118, W-A18-111, W-A18-111



REFERENCE DRAWINGS	DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING	3794+00 MATCH LINE	3794+33 PROPERTY LINE	3798+18 CL STREAM (AS-NHD-1556)	3802+22 PROPERTY LINE	3813+50 PROPERTY LINE	3814+90 PROPERTY LINE	3818+25 PROPERTY LINE	3822+04 PROPERTY LINE	3822+55 CL STREAM (AS-A18-118)	3823+18 PROPERTY LINE	3824+27 PROPERTY LINE	3825+32 PROPERTY LINE	3828+33 PROPERTY LINE	3828+59 EDGE OF ROAD	3828+62 EDGE OF ROAD	3828+63 CL (HARDEN ST)(ASPHALT)	3829+24 EDGE OF ROAD	3829+26 EDGE OF ROAD	3829+29 PROPERTY LINE	3829+39 PROPERTY LINE	3829+43 FENCE, HOG AND BARBED WIRE	3830+04 BEGIN WETLAND (W-A18-111)	3830+37 END WETLAND (W-A18-111)	3830+62 BEGIN WETLAND (W-A18-111)	3830+81 END WETLAND (W-A18-111)	3832+16 PROPERTY LINE	3832+71 END OF SURVEY
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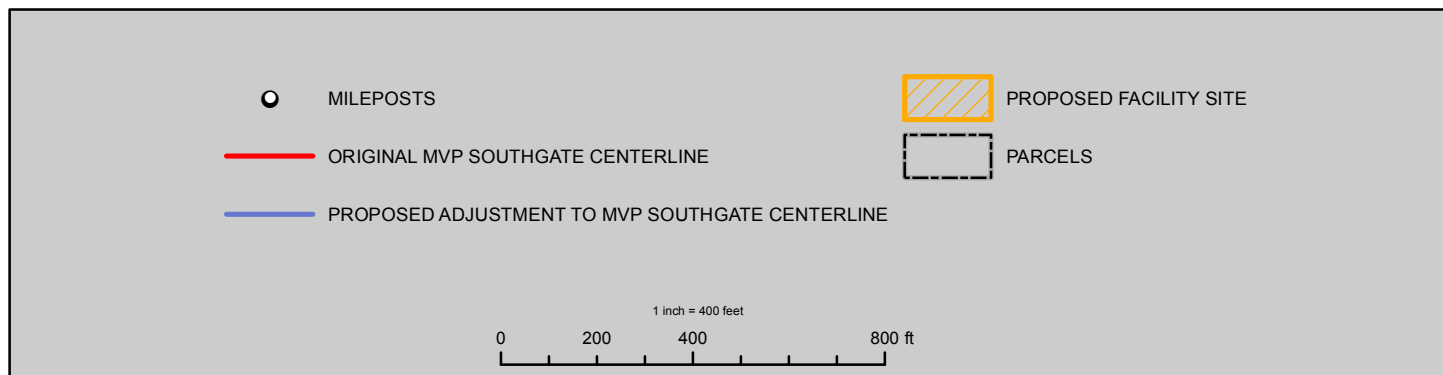
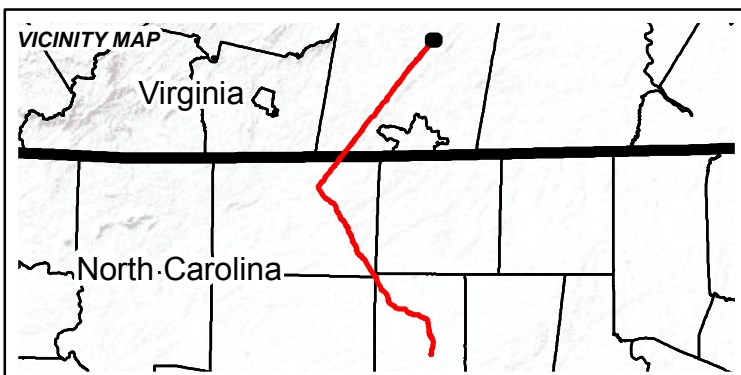
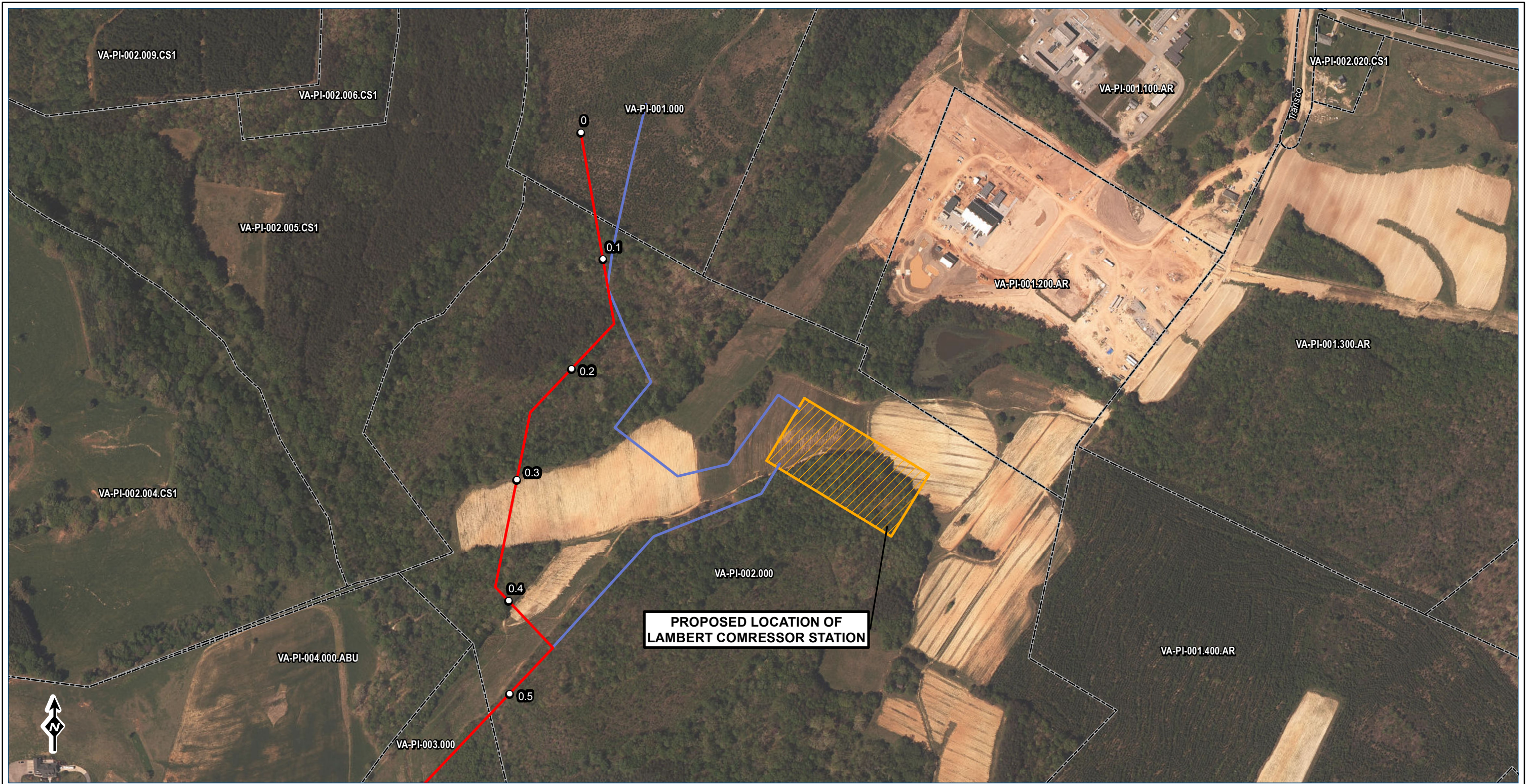
REVISIONS	REV. BY	DATE	DESCRIPTION
	P1	08/13/18	ISSUED FOR REVIEW
	P2	08/20/18	FERC DRAFT



APPROVED FOR BIDDING	REV. BY	DATE

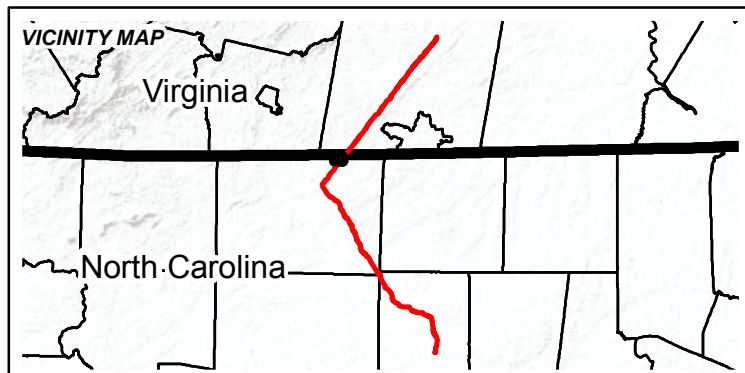
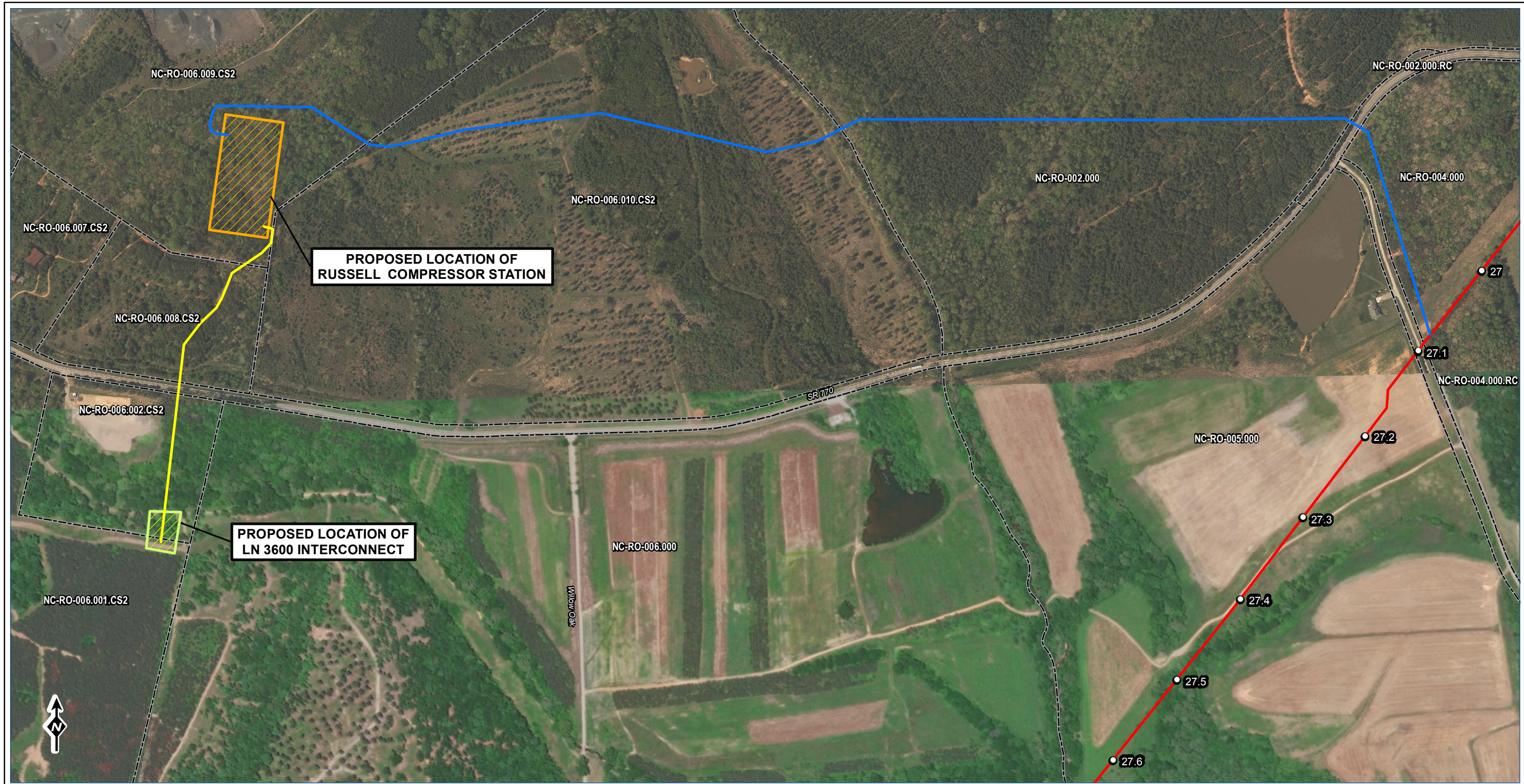
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




Mountain Valley PIPELINE LLC
PIPELINE ALIGNMENT
MVP SOUTHGATE PROJECT - H-650 LINE
ALAMANCE COUNTY, NORTH CAROLINA
STA. 3794+00 TO STA. 3832+71

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-ALNC-H-650-21
 SHEET: 77 OF 77 REV. P2
 DATE OF PLOT: 8/18/2018 6:16:48 PM

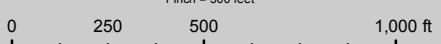



	
PROPOSED ROUTE ADJUSTMENT FOR LAMBERT COMPRESSOR STATION	
MVP SOUTHGATE	
	ADDENDUM -1




	RUSSELL DISCHARGE LINE		PROPOSED CENTERLINE		FACILITY SITE
	RUSSELL SUCTION LINE		INTERCONNECT		PARCELS

1 inch = 500 feet




**PRELIMINARY LAYOUT FOR
 RUSSELL COMPRESSOR STATION PIPELINES**

MVP SOUTHGATE

 Results you can rely on	ADDENDUM -2
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