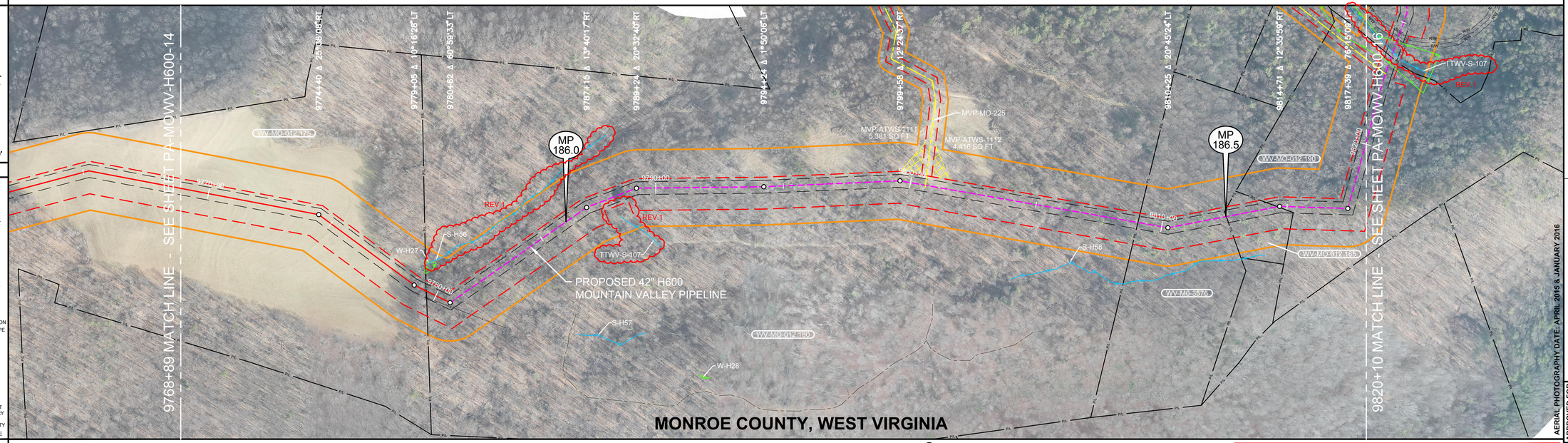
RIGHT-OF-WAY & OWNERSHIP DATA		9768+89	WV-MO-012.175 1050 LF 1053 SLOPE	9779+39	WV-MO-012.175 / WV-MO-012.180 66 LF 67 SLOPE	9780+05	WV-MO-012.180 2901 LF 2910 SLOPE	9809+06	WV-MO-3576 349 LF 352 SLOPE	9812+55	WV-MO-3576 / WV-MO-012.180 146 LF 146 SLOPE	9814+01	WV-MO-012.180 609 LF 636 SLOPE	9815+26	WV-MO-012.180 485 LF 511 SLOPE	9820+10
DESIGN	PIPE / COATING	9768+89	1													9820+10
	SLOPE DISTANCE	5164'														
	CLASS LOCATION / HCA	1														
ENVIRONMENTAL	CONSTRUCTION EXCLUSION															
	WETLAND / STREAM															
	.															
	.															



PLAN VIEW

0' 100' 200' 400'

LEGEND

- STUDY CORRIDOR
- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- ANCILLARY SITE
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- 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
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- LIMITS OF DISTURBANCE

REFERENCE DRAWINGS

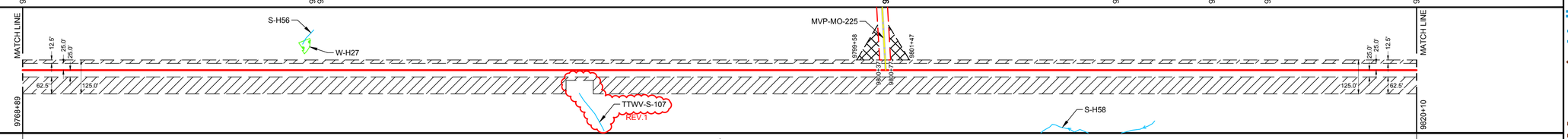
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

9768+89 MATCH LINE
9779+53 FENCE – HOG WIRE
9779+59 PROPERTY LINE
9800+60 ACCESS RD – TEMPORARY(MVP–MO–225)
9809+06 PROPERTY LINE
9812+58 PROPERTY LINE
9814+63 PROPERTY LINE
9820+10 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

1

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
5 -
6 -
7 -
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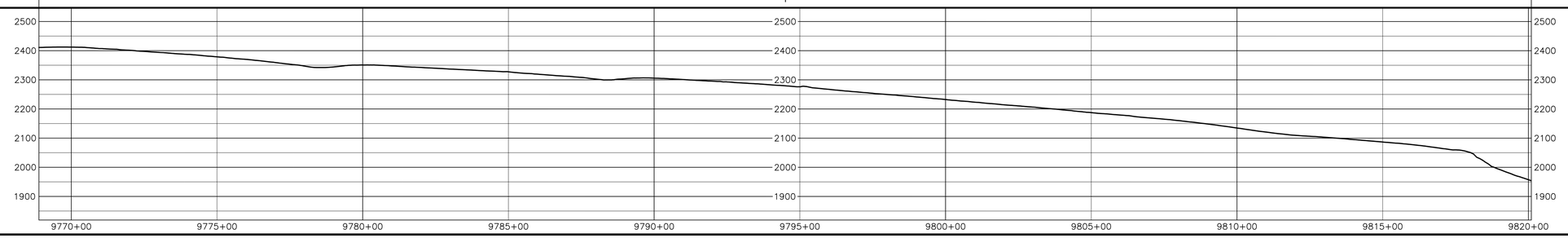
15 -
16 -

PROFILE



REV 4.0.0 - ISSUED TO FERC

AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5164	42"O.D. X 0.617"W.T. X52 FBE BONDED EPOXY
		TYPE 1 TEST STATION - PIPELINE
		TYPE 4 TEST STATION - FOREIGN CROSSING

REVISIONS	REV.	BY	DATE
DESCRIPTION	4.0.0	HEI	10-15-15
REV. 4.0.0 ISSUED TO FERC	1	HEI	04-14-16
FERC DATA REQUEST NO 2			

APPROVED FOR CONSTRUCTION	REV.	BY	DATE
	-	-	-

APPROVED FOR BIDDING	REV.	BY	DATE
	-	-	-

APPROVED FOR FERC	REV.	BY	DATE
	0	RRR	10-15-15

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Mountain Valley PIPELINE

PIPELINE ALIGNMENT
MOUNTAIN VALLEY PROJECT - H600 LINE
SPRINGFIELD DIST., MONROE CO.,W.V.
STA. 9768+89 TO STA. 9820+10

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/17/15
DRAFTING CK:	.
ENGINEERING CK:	.
CONSTRUCTION CK:	.
ENVIRONMENTAL CK:	.
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOWV-H600-15	
SHEET 206 OF 326	REV. 1
DATE OF PLOT: 04/19/16 12:46 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

Station	Parcel	Length
9820+10 – 9823+56	WV-MO-012.190	346 LF / 370 SLOPE
9823+56 – 9824+26	WV-MO-012.195	70 LF / 72 SLOPE
9824+26 – 9824+57	COUNTY ROUTE 25	31 LF - 32 SLOPE
9824+57 – 9850+57	WV-MO-012.195	2600 LF / 2644 SLOPE
9850+57 – 9851+29	WV-MO-012.195 / WV-MO-012.215	72 LF / 72 SLOPE
9851+29 – 9852+14	WV-MO-012.215	85 LF / 85 SLOPE
9852+14 – 9854+56	WV-MO-012.215 / WV-MO-012.210	242 LF / 242 SLOPE
9854+56 – 9858+90	WV-MO-012.210	434 LF / 434 SLOPE
9858+90 – 9860+27	WV-MO-012.210 / COUNTY ROUTE 25/5	137 LF / 138 SLOPE
9860+27 – 9861+81	WV-MO-012.220 / COUNTY ROUTE 25/5 / WV-MO-012.210	154 LF / 154 SLOPE
9861+81 – 9863+95	WV-MO-012.220	214 LF / 214 SLOPE
9863+95 – 9869+44	WV-MO-012.220 / COUNTY ROUTE 25/5	549 LF / 549 SLOPE
9869+44 – 9879+63	WV-MO-012.220	1019 LF / 1022 SLOPE

DESIGN

Station	PIPE / COATING	SLOPE DISTANCE
9820+10 – 9824+22	1	437'
9824+22 – 9824+62	4	40'
9824+62 – 9860+03	1	3587'
9860+03 – 9860+83	4	80'
9860+83 – 9864+70	1	494'
9864+70 – 9868+30	4	360'
9868+30 – 9879+63	1	1030'

CLASS LOCATION / HCA: 1

ENVIRONMENTAL

CONSTRUCTION EXCLUSION

WETLAND / STREAM

REV. 2		REV. 2	REV. 2
TTWV-W-32	TTWV-S-108	TTWV-W-33	TTWV-W-34
106 LF	LF	100 LF	103 LF

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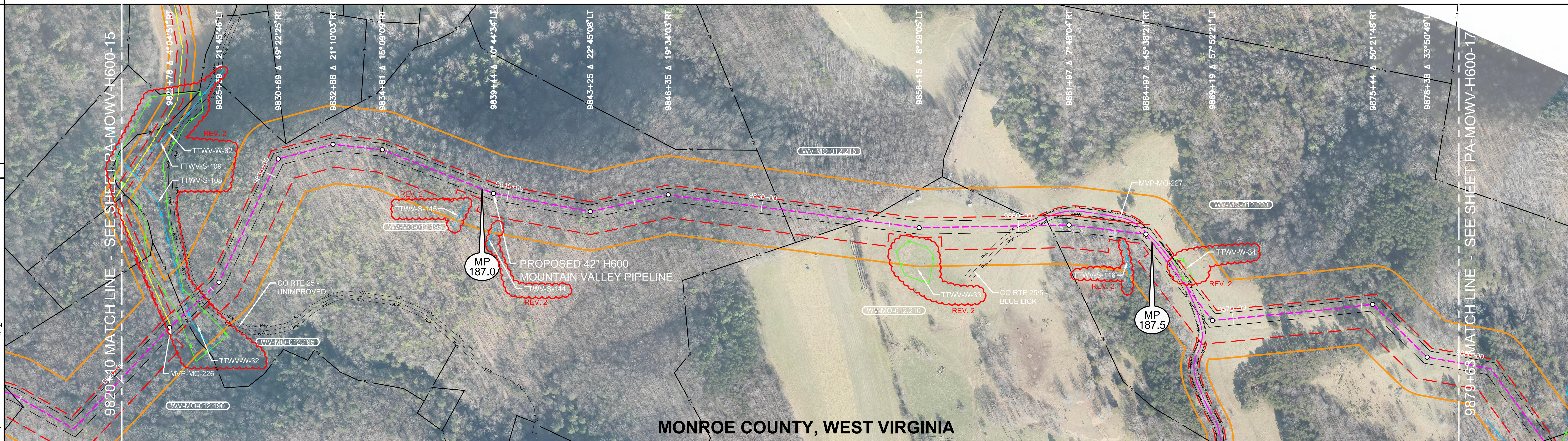
PLAN VIEW

0' 100' 200' 400'



LEGEND

- STUDY CORRIDOR
- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- ANCILLARY SITE
- COUNTY LINE
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L ROAD
- C/L RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRACADE 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
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- LIMITS OF DISTURBANCE

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

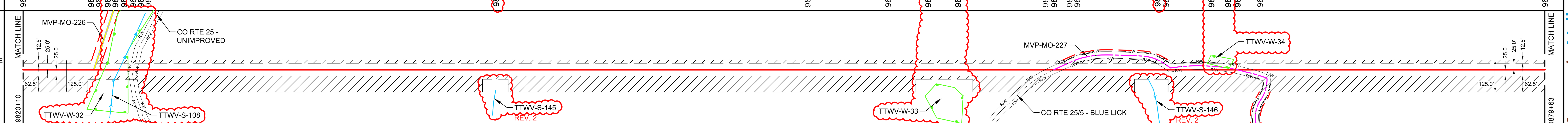
- 9820+10 MATCH LINE
- 9822+86 ACCESS ROAD – TEMPORARY (MVP–MO–226)
- 9823+56 PROPERTY LINE
- 9823+16 BEGIN WETLAND(TTWV–W–32)
- 9823+47 ℄ STREAM(TTWV–S–108)
- 9824+22 END WETLAND(TTWV–W–32)
- 9824+26 RIGHT–OF–WAY
- 9824+42 ℄ CO RTE 25 – UNIMPROVED
- 9824+57 RIGHT–OF–WAY
- 9838+53 ℄ STREAM(TTWV–S–145)65'RT
- 9850+79 PROPERTY LINE
- 9853+94 PROPERTY LINE
- 9855+53 BEGIN WETLAND(TTWV–W–33)
- 9856+53 END WETLAND(TTWV–W–33)
- 9860+09 RIGHT–OF–WAY
- 9860+43 ℄ CO RTE 25/5 – BLUE LICK ACCESS RD – PERMANENT(MVP–MO–227)
- 9860+79 RIGHT–OF–WAY
- 9861+20 PROPERTY LINE
- 9864+04 ℄ STREAM(TTWV–S–146)33'RT
- 9864+81 RIGHT–OF–WAY
- 9866+42 BEGIN WETLAND(TTWV–W–34)
- 9867+45 END WETLAND(TTWV–W–34)
- 9867+56 ℄ CO RTE 25/5 – BLUE LICK ACCESS RD – PERMANENT (MVP–MO–227)
- 9868+19 RIGHT–OF–WAY
- 9879+63 MATCH LINE

REV. 2

REV 4.0.0 - ISSUED TO FERC

WORK SPACE

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



CONSTRUCTION METHOD

9820+10 –	– 9824+57	9824+57 – 9879+63
1	3	1

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
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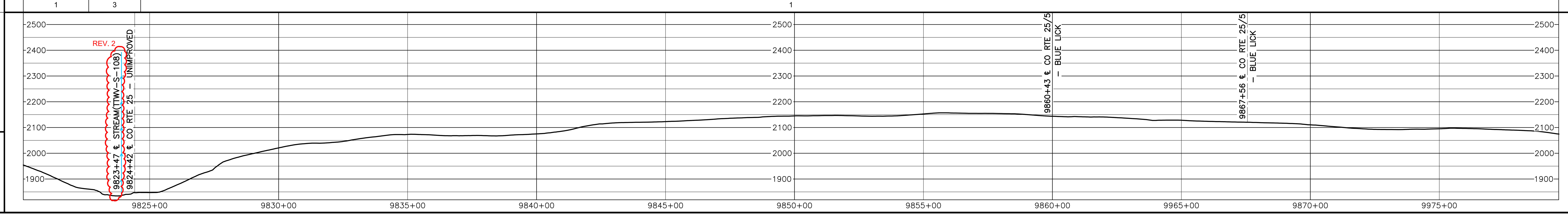
16 -

PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0.0 ISSUED TO FERC
1	HEI	01-12-16	FERC DATA REQUEST 21 - ADDED NHD WATERBODY
2	HEI	04-12-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5548	42"O.D. X 0.617"W.T., X-70, FUSION BONDED EPOXY
4	480	42"O.D. X 0.740"W.T., X-70, FBE & ARO
		TYPE 1 TEST STATION - PIPELINE
		TYPE 4 TEST STATION - FOREIGN CROSSING

APPROVED FOR CONSTRUCTION

REV.	BY	DATE
.	.	.

APPROVED FOR BIDDING

REV.	BY	DATE
.	.	.

APPROVED FOR FERC

REV.	BY	DATE
0	RRR	10-15-15

Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
SPRINGFIELD & RED SULPHUR DIST., MONROE CO.,W.V.
STA. 9820+10 TO STA. 9879+63

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/17/15
DRAFTING CK:	.
ENGINEERING CK:	.
CONSTRUCTION CK:	.
ENVIRONMENTAL CK:.	.
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOWV-H600-16	
SHEET 207 OF 326	REV. 2
DATE OF PLOT: 04/19/16 12:47 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

Station	Parcel	Length
9879+63 – 9884+36	WV-MO-012.220	473 LF / 481 SLOPE
9884+36 – 9904+82	WV-MO-012.225	2046 LF / 2101 SLOPE
9904+82 – 9907+18	WV-MO-012.225 / WV-MO-012.230	236 LF / 257 SLOPE
9907+18 – 9907+59	WV-MO-012.225 / WV-MO-012.235 / WV-MO-012.230	41 LF / 41 SLOPE
9907+59 – 9926+55	WV-MO-012.235 / WV-MO-012.230	1896 LF / 1936 SLOPE
9926+55 – 9927+16	WV-MO-012.240 / WV-MO-012.245	61 LF / 65 SLOPE
9927+16 – 9937+23	WV-MO-012.245	1007 LF / 1024 SLOPE

DESIGN

	9879+63 – 9937+23
PIPE / COATING	1
SLOPE DISTANCE	5905'
CLASS LOCATION / HCA	1

ENVIRONMENTAL

CONSTRUCTION EXCLUSION

WETLAND / STREAM

REV. 2

TTWV-W-35	TTWV-S-111	TTWV-S-112
188 LF	LF	LF

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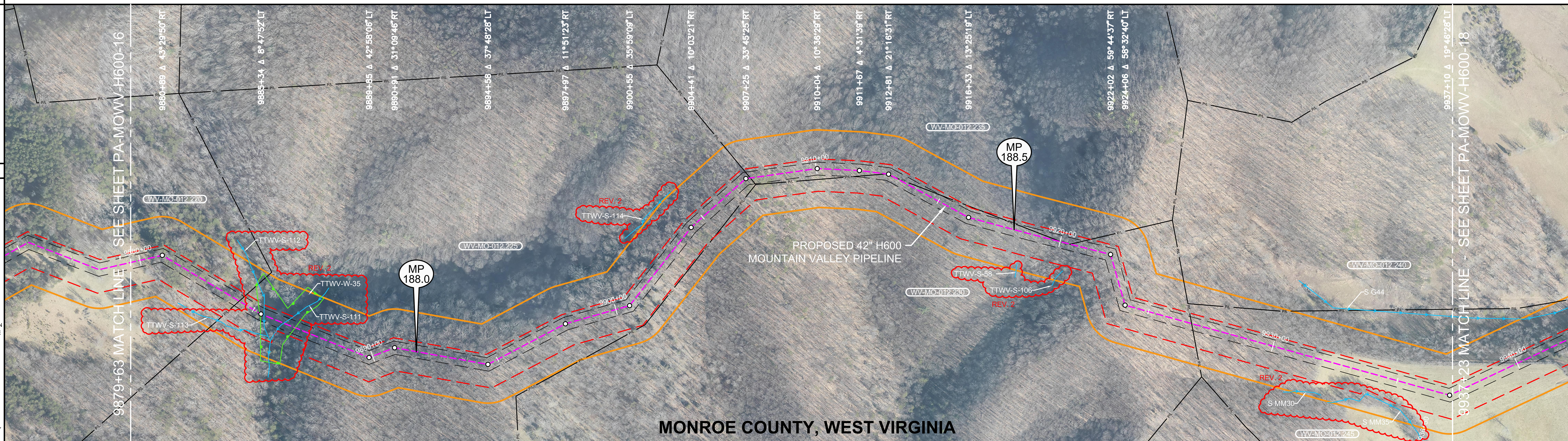
0' 100' 200' 400'

PLAN VIEW



LEGEND

- STUDY CORRIDOR
- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- PERMANENT EASEMENT
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- ANCILLARY SITE
- COUNTY LINE
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- OVERHEAD POWER
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- C/L ROAD
- C/L RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRACADE FENCE
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- MAILBOX
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- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- LIMITS OF DISTURBANCE

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

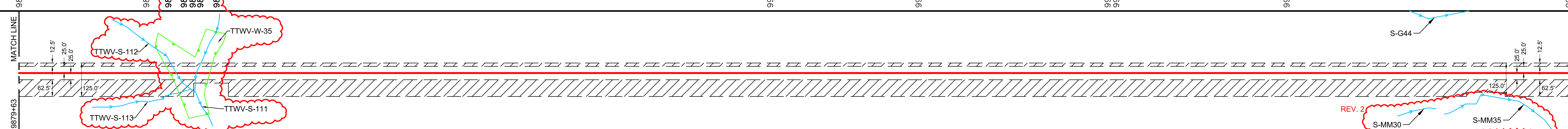
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

9879+63 MATCH LINE
9884+36 PROPERTY LINE
REV. 2
9884+98 BEGIN WETLAND(TTWV-W-35)
9885+46 ℄ STREAM(TTWV-S-112)
9886+20 ℄ STREAM(TTWV-S-113)71'RT
9886+29 ℄ STREAM(TTWV-S-111)
9886+86 END WETLAND(TTWV-W-35)
9907+42 PROPERTY LINE
9913+06 PROPERTY LINE
9920+09 PROPERTY LINE
9920+40 PROPERTY LINE
9926+74 PROPERTY LINE
9937+23 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

9879+63 – 9885+99	9885+99 – 9887+28	9887+28 – 9937+23
1	3	1

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
5 -
6 -
7 -
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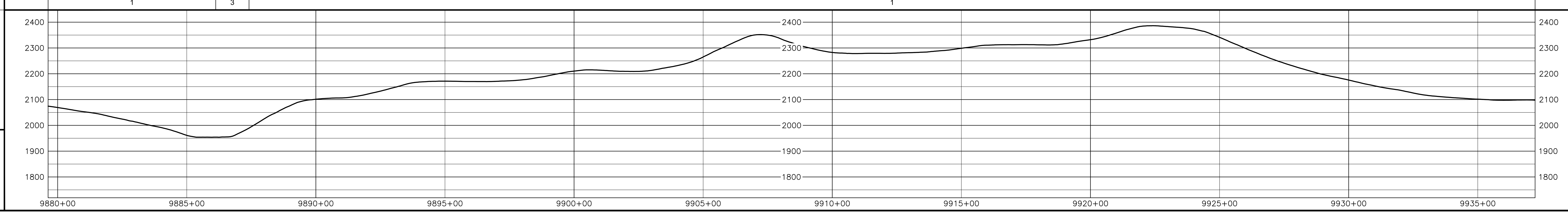
15 -
16 -

PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0.0 ISSUED TO FERC
1	HEI	01-12-16	FERC DATA REQUEST 21 - ADDED NHD WATERBODY
2	HEI	04-12-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5905	42"O.D. X 0.617"W.T., X-70, FUSION BONDED EPOXY
		TYPE 1 TEST STATION - PIPELINE
		TYPE 4 TEST STATION - FOREIGN CROSSING

APPROVED FOR CONSTRUCTION

REV.	BY	DATE
.	.	.

APPROVED FOR BIDDING

REV.	BY	DATE
.	.	.

APPROVED FOR FERC

REV.	BY	DATE
0	RRR	10-15-15

Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE RED SULPHUR DIST., MONROE CO., W.V. STA. 9879+63 TO STA. 9937+23

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/17/15
DRAFTING CK:	.
ENGINEERING CK:	.
CONSTRUCTION CK:	.
ENVIRONMENTAL CK:.	.
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOWV-H600-17	
SHEET 208 OF 326	REV. 2
DATE OF PLOT: 04/19/16 12:47 PM	