RIGHT-OF-WAY & OWNERSHIP DATA			
		11896+43	11940+43

DESIGN			
	PIPE / COATING	11896+43	11940+43
	SLOPE DISTANCE		
	CLASS LOCATION / HCA	1	

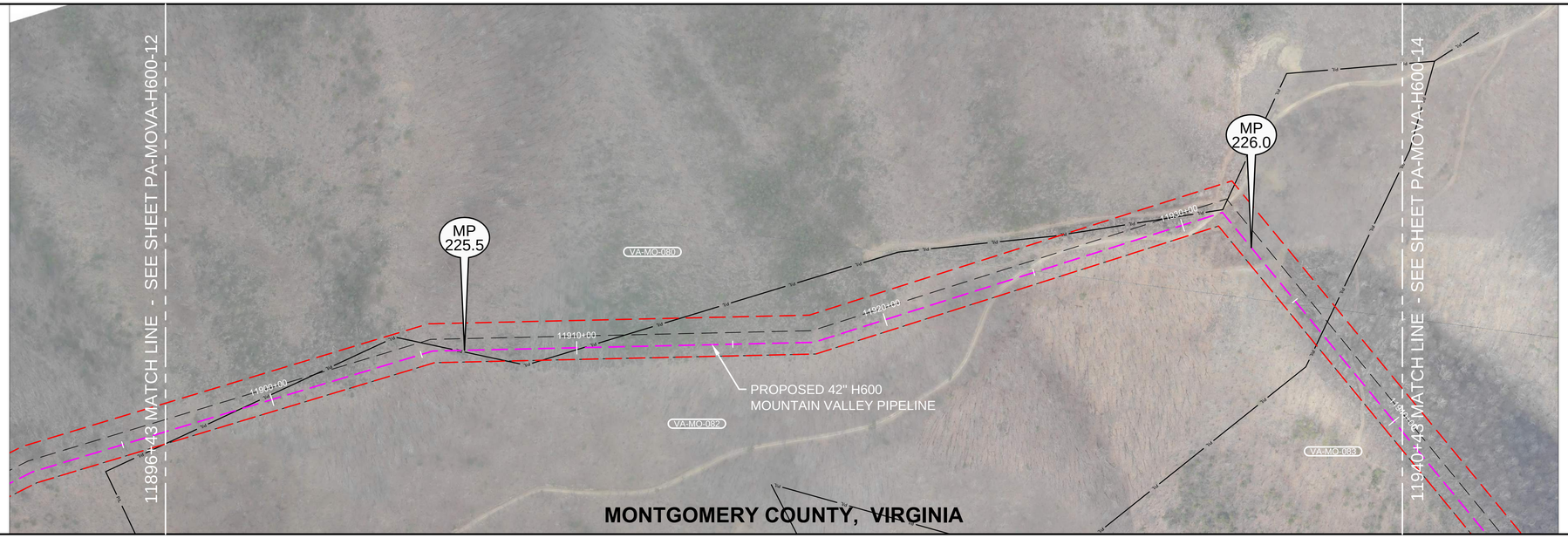
ENVIRONMENTAL	
	CONSTRUCTION EXCLUSION
	WETLAND / STREAM
	SEDIMENT BARRIER LEFT
	SEDIMENT BARRIER RIGHT

0' 100' 200' 400'

PLAN VIEW

LEGEND

- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- LAYDOWN/CONTRACTOR YARD
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L STREAM
- EDGE OF WATER
- C/L ROAD
- C/L RAILROAD
- WETLAND
- 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



REV 3.2.5 ISSUED FOR FERC

REFERENCE DRAWINGS

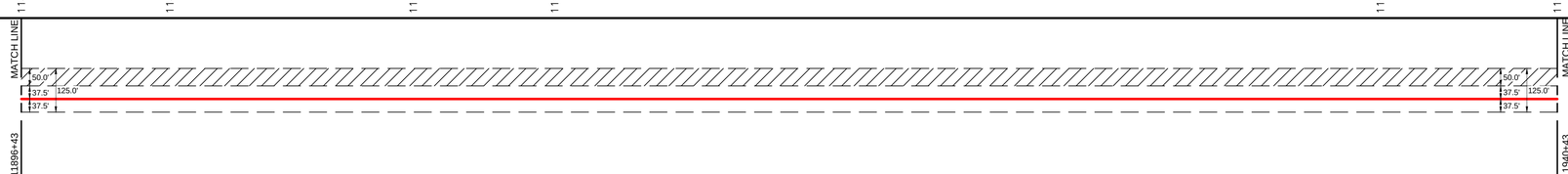
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

11896+43 MATCH LINE | 11898+92 PROPERTY LINE | 11906+17 PROPERTY LINE | 11910+22 PROPERTY LINE | 11936+36 PROPERTY LINE | 11940+43 MATCH LINE

WORK SPACE

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



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1 -
2 -
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4 -
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12 -
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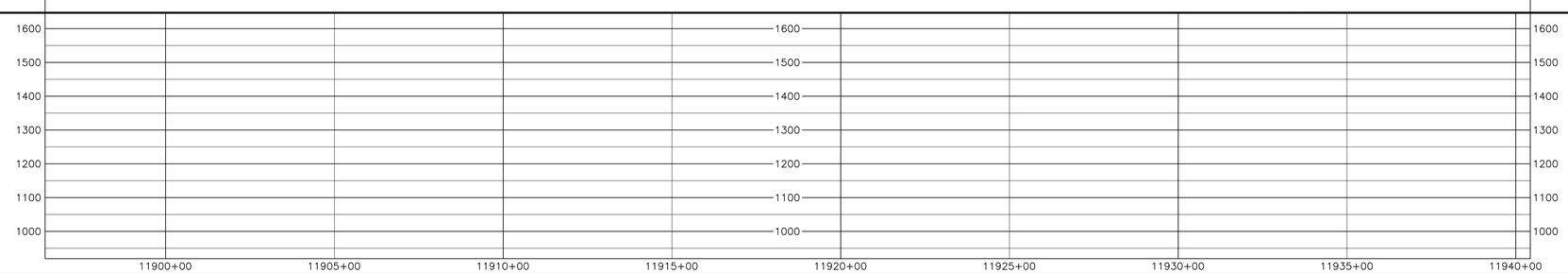
14 -
15 -
16 -

PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION

AERIAL PHOTOGRAPHY DATE: DECEMBER 2014

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
	-	MATERIAL
	-	MATERIAL
	-	SEDIMENT BARRIER
	-	
	-	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	-	-	

Mountain Valley

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
C-3 PCT.,MONTGOMERY CO.,VA.
STA. 11□6+43 TO STA. 11□40+43

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/11/15
DRAFTING CK:	.
ENGINEERING CK:	.
CONSTRUCTION CK:	.
ENVIRONMENTAL CK:.	.
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOVA-H600 -13	
SHEET 244 OF 312	REV. 0
DATE OF PLOT: 05/21/15 12:10 PM	

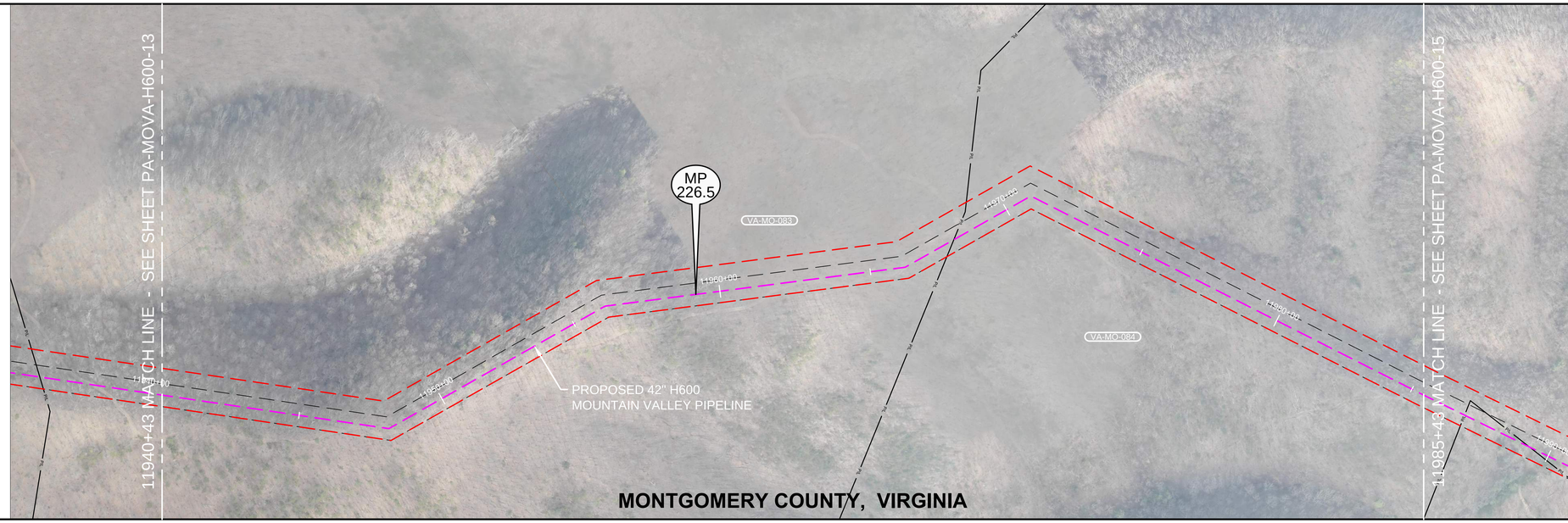
RIGHT-OF-WAY & OWNERSHIP DATA		11940+43	11985+43
DESIGN	PIPE / COATING	11940+43	11985+43
	SLOPE DISTANCE		
	CLASS LOCATION / HCA	1	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION		
	WETLAND / STREAM		
	SEDIMENT BARRIER LEFT		
	SEDIMENT BARRIER RIGHT		

0' 100' 200' 400'

PLAN VIEW

LEGEND

- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- LAYDOWN/CONTRACTOR YARD
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L STREAM
- EDGE OF WATER
- C/L ROAD
- C/L RAILROAD
- WETLAND
- 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



REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

REV 3.2.5 ISSUED FOR FERC

HORIZONTAL STATIONING

11940+43 MATCH LINE | 11968+00 PROPERTY LINE | 11985+43 MATCH LINE

WORK SPACE

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

MATCH LINE 11940+43 — 50.0' 37.5' 125.0' 37.5' — MATCH LINE 11985+43

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 -

PROFILE

1600 1500 1400 1300 1200 1100 1000

11945+00 11950+00 11955+00 11960+00 11965+00 11970+00 11975+00 11980+00 11985+00

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REVISIONS

REV.	BY	DATE	DESCRIPTION

AERIAL PHOTOGRAPHY DATE: DECEMBER 2014

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
	-	MATERIAL
	-	MATERIAL
	-	SEDIMENT BARRIER
	-	
	-	TYPE 1 TEST STATION - PIPELINE
	-	TYPE 4 TEST STATION - FOREIGN CROSSING

APPROVED FOR CONSTRUCTION			APPROVED FOR BIDDING			APPROVED FOR FERC		
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
	-	-		-	-	0	-	-

Mountain Valley

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
C-3 PCT.,MONTGOMERY CO.,VA.
STA. 11□40+43 TO STA. 11□□+43

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/11/15
DRAFTING CK:	-
ENGINEERING CK:	-
CONSTRUCTION CK:	-
ENVIRONMENTAL CK.:	-
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOVA-H600 -14	
SHEET 245 OF 312	REV. 0
DATE OF PLOT: 05/21/15 12:10 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		11985+43				12043+43
DESIGN	PIPE / COATING	11985+43				12043+43
	SLOPE DISTANCE					
	CLASS LOCATION / HCA		1	2	1	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION					
	WETLAND / STREAM					
	SEDIMENT BARRIER LEFT					
	SEDIMENT BARRIER RIGHT					

0' 100' 200' 400'

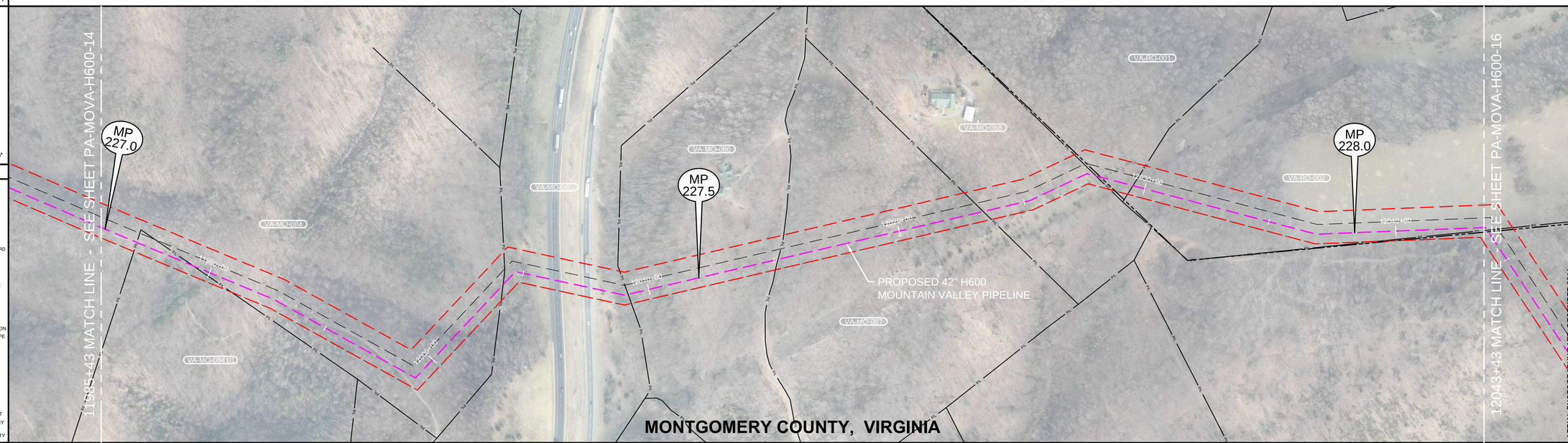
PLAN VIEW

LEGEND

- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- LAYDOWN/CONTRACTOR YARD
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L STREAM
- EDGE OF WATER
- C/L ROAD
- C/L RAILROAD
- WETLAND
- 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

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION



REV 3.2.5 ISSUED FOR FERC

HORIZONTAL STATIONING

11985+43 MATCH LINE; 11986+94 PROPERTY LINE; 11989+31 PROPERTY LINE; 12003+99 PROPERTY LINE; 12009+18 PROPERTY LINE; 12015+17 PROPERTY LINE; 12023+36 PROPERTY LINE; 12028+05 PROPERTY LINE; 12028+23 COUNTY LINE; 12029+53 PROPERTY LINE; 12043+43 MATCH LINE

WORK SPACE

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

MATCH LINE 11985+43 — 50.0' 37.5' 125.0' 37.5' — MATCH LINE 12043+43

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 -

PROFILE

1600 1500 1400 1300 1200 1100 1000

11990+00 11995+00 12000+00 12005+00 12010+00 12015+00 12020+00 12025+00 12030+00 12035+00 12040+00

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REVISIONS

REV.	BY	DATE	DESCRIPTION

AERIAL PHOTOGRAPHY DATE: DECEMBER 2014

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
	-	MATERIAL
	-	MATERIAL
	-	SEDIMENT BARRIER
	-	
	-	TYPE 1 TEST STATION - PIPELINE
	-	TYPE 4 TEST STATION - FOREIGN CROSSING

APPROVED FOR CONSTRUCTION			APPROVED FOR BIDDING			APPROVED FOR FERC		
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
						0	-	-

Mountain Valley

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
C-3 & C-1 & GREEN HILL PCT., MONTGOMERY CO.,VA.
STA. 11□□+43 TO STA. 12043+43

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/11/15
DRAFTING CK:	-
ENGINEERING CK:	-
CONSTRUCTION CK:	-
ENVIRONMENTAL CK.:	-
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOVA-H600 -1□	
SHEET 246 OF 312	REV. 0
DATE OF PLOT: 05/21/15 12:11 PM	

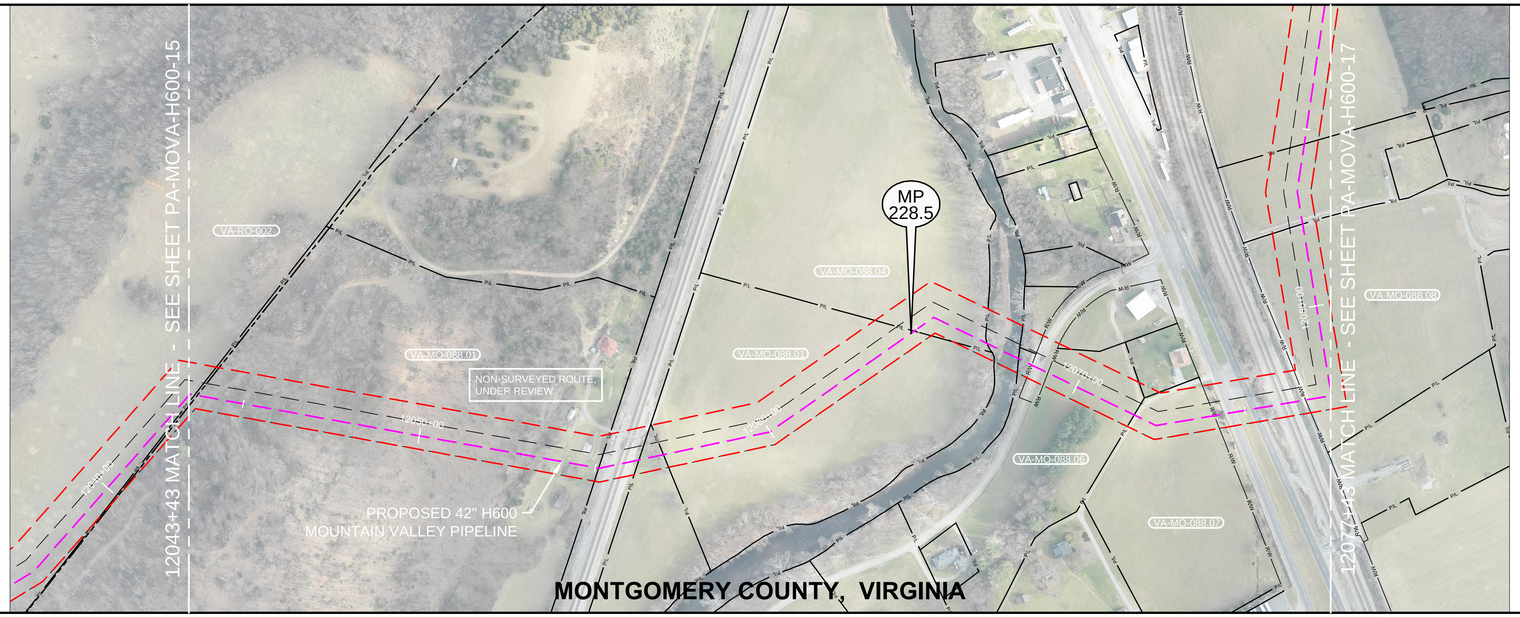
RIGHT-OF-WAY & OWNERSHIP DATA		12043+43			12077+43
DESIGN	PIPE / COATING	12043+43			12077+43
	SLOPE DISTANCE				
	CLASS LOCATION / HCA		1	2	3
ENVIRONMENTAL	CONSTRUCTION EXCLUSION				
	WETLAND / STREAM				
	SEDIMENT BARRIER LEFT				
	SEDIMENT BARRIER RIGHT				

0' 100' 200' 400'

PLAN VIEW

LEGEND

- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- LAYDOWN/CONTRACTOR YARD
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L STREAM
- EDGE OF WATER
- C/L ROAD
- C/L RAILROAD
- WETLAND
- 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



REV 3.2.5 ISSUED FOR FERC

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

12043+43 MATCH LINE; 12043+62 PROPERTY LINE; 12043+70 COUNTY LINE; 12055+10 PROPERTY LINE; 12056+25 PROPERTY LINE; 12056+95 PROPERTY LINE; 12064+91 PROPERTY LINE; 12067+23 PROPERTY LINE; 12068+21 PROPERTY LINE; 12068+62 RIGHT-OF-WAY; 12069+12 RIGHT-OF-WAY; 12071+80 PROPERTY LINE; 12074+13 RIGHT-OF-WAY; 12076+72 RIGHT-OF-WAY; 12077+43 MATCH LINE

WORK SPACE

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

MATCH LINE 12043+43 — 50.0' 37.5' 125.0' 37.5' — 12077+43 MATCH LINE

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 -

PROFILE

1600 1500 1400 1300 1200 1100 1000

12045+00 12050+00 12055+00 12060+00 12065+00 12070+00 12075+00

AERIAL PHOTOGRAPHY DATE: DECEMBER 2014

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
	-	MATERIAL
	-	MATERIAL
	-	SEDIMENT BARRIER
	-	
	-	TYPE 1 TEST STATION - PIPELINE
	-	TYPE 4 TEST STATION - FOREIGN CROSSING

REVISIONS

REV.	BY	DATE	DESCRIPTION

APPROVED FOR CONSTRUCTION

REV.	BY	DATE
-	-	-

APPROVED FOR BIDDING

REV.	BY	DATE
-	-	-

APPROVED FOR FERC

REV.	BY	DATE
0	-	-

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Mountain Valley

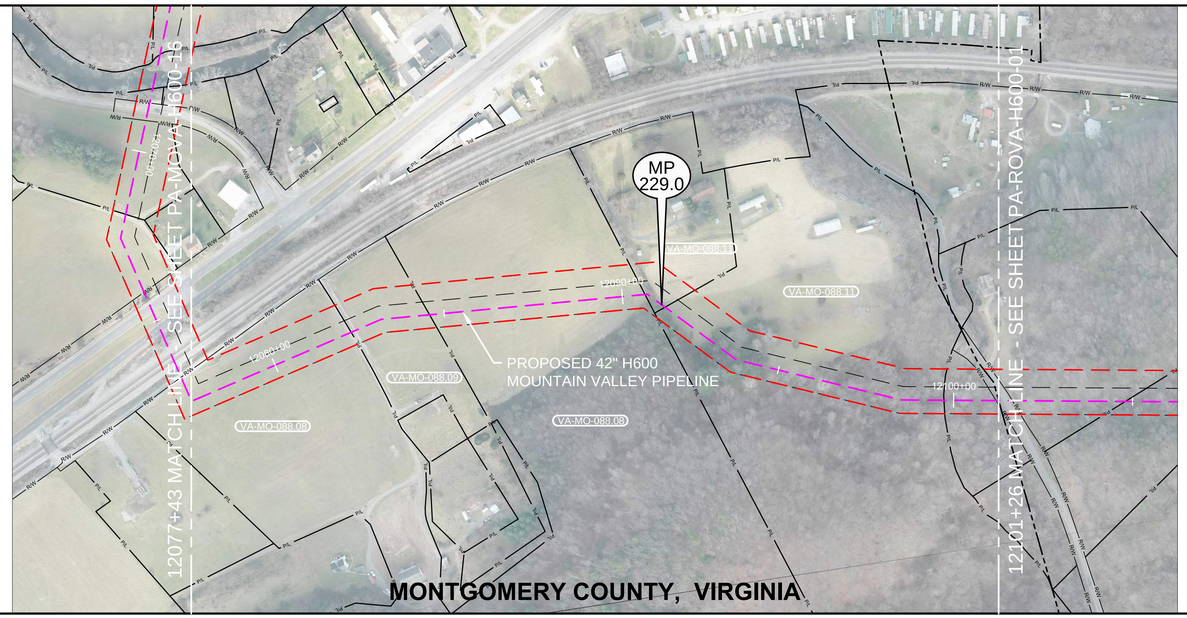
PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
C-1 PCT.,MONTGOMERY CO.,VA.
STA. 12043+43 TO STA. 12077+43

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/11/15
DRAFTING CK:	-
ENGINEERING CK:	-
CONSTRUCTION CK:	-
ENVIRONMENTAL CK.:	-
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOVA-H600 -16	
SHEET 247 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:08 PM	

RIGHT-OF-WAY & OWNERSHIP DATA				
		12077+43		12101+26

DESIGN	PIPE / COATING	12077+43		12101+26
	SLOPE DISTANCE			
	CLASS LOCATION / HCA		3	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION			
	WETLAND / STREAM			
	SEDIMENT BARRIER LEFT			
	SEDIMENT BARRIER RIGHT			



0' 100' 200' 400'

PLAN VIEW

LEGEND

- PROPOSED 42"PIPELINE
- NON-SURVEYED C/L
- 500' TICK MARK
- EXISTING PIPELINE
- WORK SPACE LIMITS
- PERMANENT ACCESS RD
- TEMPORARY ACCESS RD
- LAYDOWN/CONTRACTOR YARD
- PROPERTY LINE
- ROAD RIGHT-OF-WAY
- FENCE LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L STREAM
- EDGE OF WATER
- C/L ROAD
- C/L RAILROAD
- WETLAND
- 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

REFERENCE DRAWINGS

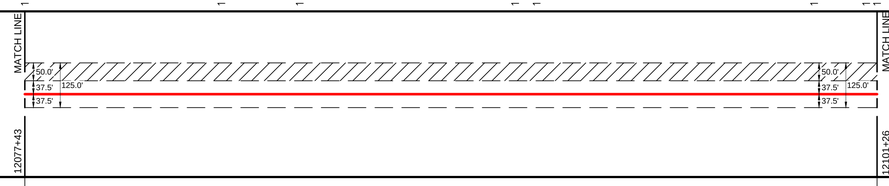
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

12077+43 MATCH LINE
12082+32 PROPERTY LINE
12084+59 PROPERTY LINE
12090+64 PROPERTY LINE
12091+32 PROPERTY LINE
12099+73 PROPERTY LINE
12101+19 RIGHT-OF-WAY MATCH LINE END MONTGOMERY CO., 12101+26 BEGIN ROANOKE CO.

WORK SPACE

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



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1 -
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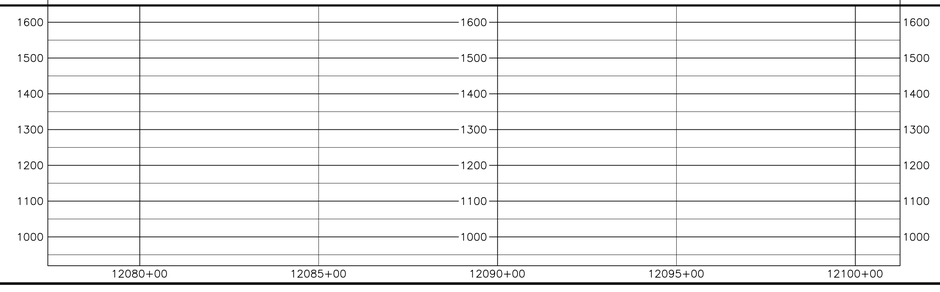
14 -
15 -
16 -

PROFILE



REV 3.2.5 ISSUED FOR FERC

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REVISIONS

REV.	BY	DATE	DESCRIPTION

AERIAL PHOTOGRAPHY DATE: DECEMBER 2014

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
		MATERIAL
		MATERIAL
		SEDIMENT BARRIER
		TYPE 1 TEST STATION - PIPELINE
		TYPE 4 TEST STATION - FOREIGN CROSSING

APPROVED FOR CONSTRUCTION			APPROVED FOR BIDDING			APPROVED FOR FERC		
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
						0		

Mountain Valley

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
C-1 PCT.,MONTGOMERY CO.,VA.
STA. 12077+43 TO STA. 12101+26

HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/11/15
DRAFTING CK:	
ENGINEERING CK:	
CONSTRUCTION CK:	
ENVIRONMENTAL CK:.	
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-MOVA-H600 -17	
SHEET 248 OF 312	REV. 0
DATE OF PLOT: 05/21/15 12:11 PM	