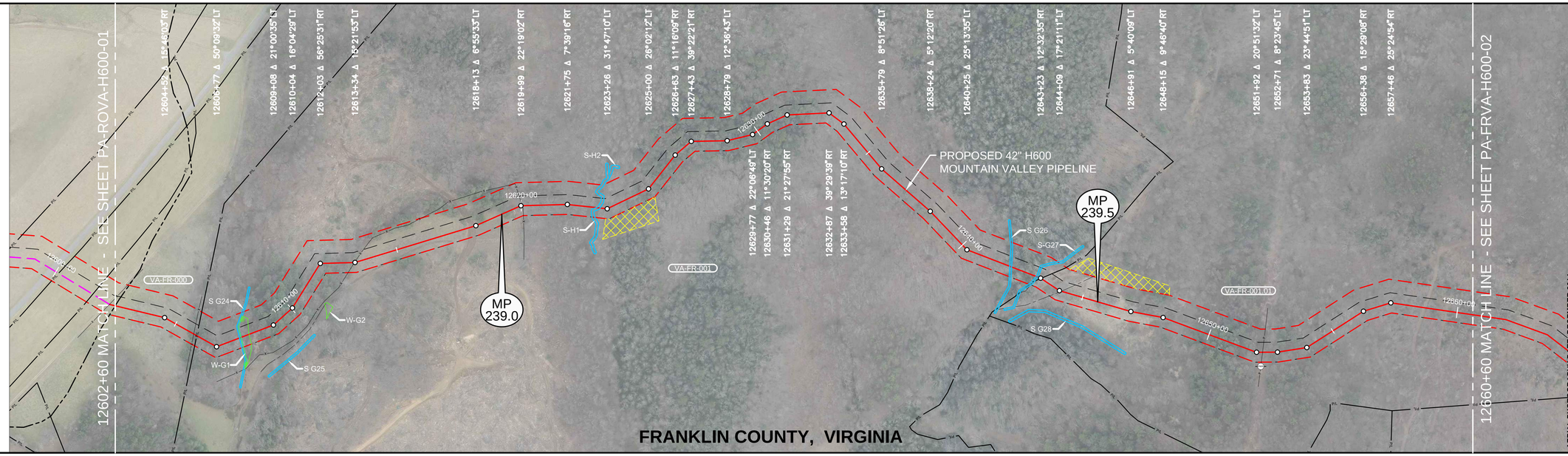
RIGHT-OF-WAY & OWNERSHIP DATA		12602+60	12660+60
DESIGN	PIPE / COATING	12602+60	12660+60
	SLOPE DISTANCE		
	CLASS LOCATION / HCA	1	
ENVIRONMENTAL	CONSTRUCTION EXCLUSION		
	WETLAND / STREAM		
	SEDIMENT BARRIER LEFT		
	SEDIMENT BARRIER RIGHT		



PLAN VIEW

0' 100' 200' 400'

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

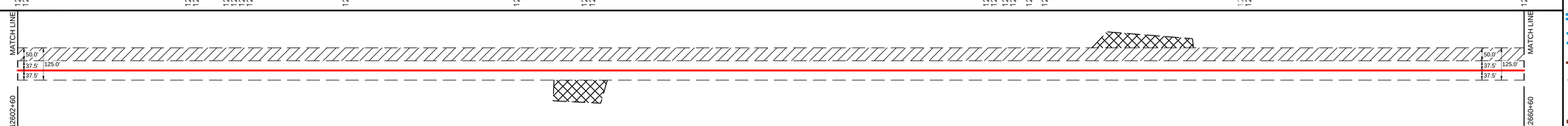
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

12602+60 MATCH LINE,ENDROANOKE,BEGFRANKLIN COUNTY LINE
12605+78 FENCE – BARBED WIRE
12605+92 PROPERTY LINE
12607+70 BEGIN STREAM(S G24)
12607+76 BEGIN WETLAND(W G1)
12607+76 END STREAM(S G24)
12608+09 END WETLAND(W G1)
12613+32 FENCE – BARBED WIRE
12620+04 FENCE – BARBED WIRE
12622+84 BEGIN STREAM(S-H1)
12622+99 END STREAM(S-H1)
12641+98 BEGIN STREAM(S G26)
12642+06 END STREAM(S G26)
12643+05 BEGIN STREAM(S-G27)
12643+13 END STREAM(S-G27)
12643+25 PROPERTY LINE
12644+17 ℄ TRAIL(DIRT)
12652+07 POWER POLE 53'RT
12652+15 OHP LINE
12660+60 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 -
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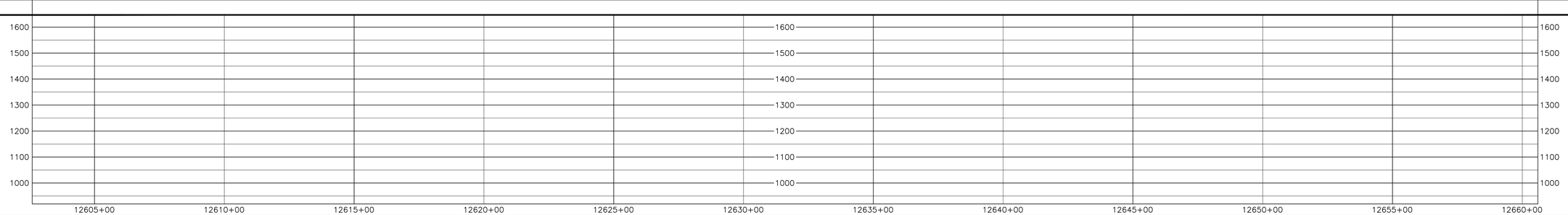
16 -

PROFILE



REV 3.2.5 ISSUED FOR FERC

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
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REVISIONS

REV.	BY	DATE	DESCRIPTION

HOLLAND ENGINEERING
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www.hollandengineering.com

Mountain Valley

PIPELINE ALIGNMENT

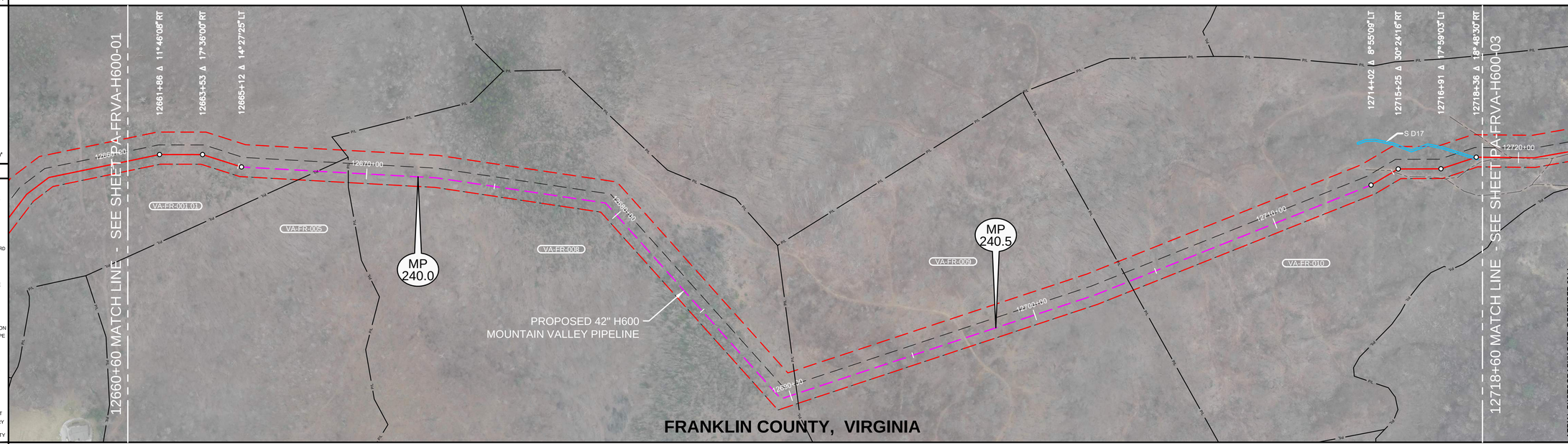
MOUNTAIN VALLEY PROJECT - H600 LINE
BOWMANS PCT.,FRANKLIN CO.,VA.
STA. 12602+60 TO STA. 12660+60

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-FRVA-H600 -01	
SHEET 259 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:51 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		12660+60	12718+60
DESIGN	PIPE / COATING	12660+60	12718+60
	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

12660+60 MATCH LINE
12668+08 PROPERTY LINE
12669+28 PROPERTY LINE
12690+25 PROPERTY LINE
12703+88 PROPERTY LINE
12715+04 ℄ TRAIL(DIRT)
12718+21 BEGIN STREAM(S D17)
12718+33 END STREAM(S D17)
12718+60 MATCH LINE

WORK SPACE

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

MATCH LINE 12660+60 — 50.0' 37.5' 125.0' 37.5' 50.0' — MATCH LINE 12718+60

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

12665+00 12670+00 12675+00 12680+00 12685+00 12690+00 12695+00 12700+00 12705+00 12710+00 12715+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

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

REV.	BY	DATE	DESCRIPTION

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www.hollandengineering.com

Mountain Valley

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
BOWMANS PCT.,FRANKLIN CO.,VA.
STA. 12660+60 TO STA. 12718+60

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-FRVA-H600 -02	
SHEET 260 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:51 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		12718+60 / 12776+60
DESIGN	PIPE / COATING	12718+60 / 12776+60
	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
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- EDGE OF WATER
- C/L ROAD
- C/L RAILROAD
- WETLAND
- PI SYMBOL
- PROPOSED TEST STATION
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- LINE MARKER - VENT PIPE
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- TREE
- GUY ANCHOR
- TANK
- GAS VALVE
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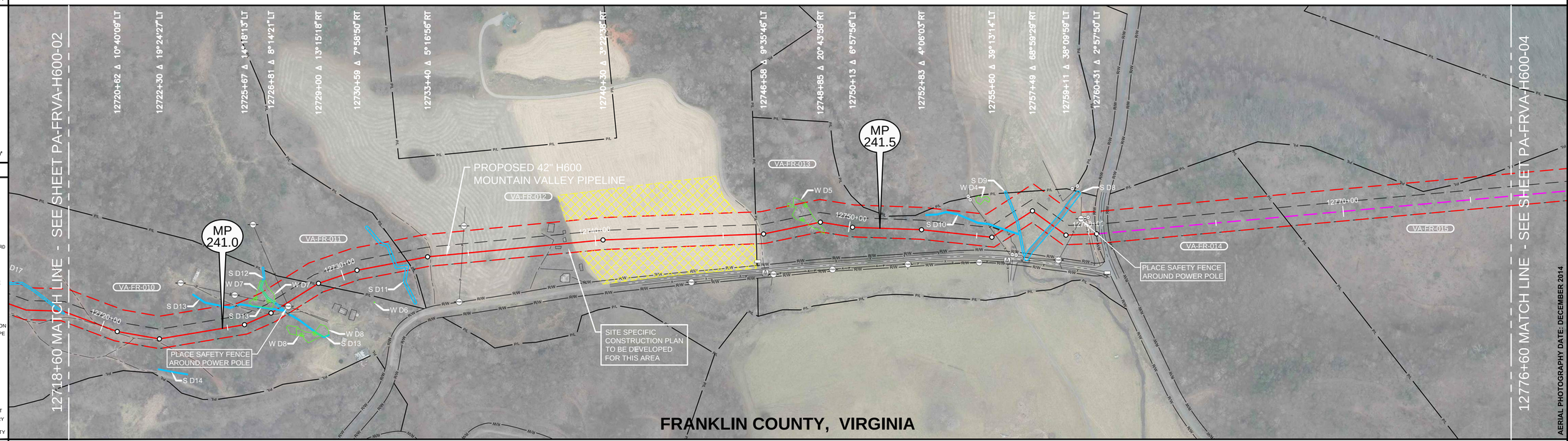
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION



AERIAL PHOTOGRAPHY DATE: DECEMBER 2014.

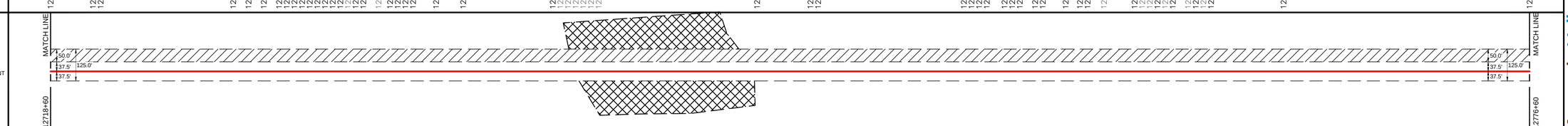
HORIZONTAL STATIONING

12718+60	MATCH LINE
12719+72	℄ TRAIL(DIRT)
12719+94	℄ TRAIL(DIRT)
12725+37	CULVERT 76'LT
12725+57	CULVERT 79'LT
12726+73	℄ TRAIL(DIRT)
12727+03	BEGIN STREAM(S D13)
12727+07	SPRING 32'LT
12727+15	END STREAM(S D13)
12727+19	SPRING 32'LT
12727+20	BEGIN STREAM(S D12)
12727+26	END STREAM(S
12727+30	CULVERT 27'RT
12727+37	CULVERT 43'RT
12727+38	OHP LINE
12727+52	POWER POLE 14'RT
12727+54	OHP LINE
12728+93	PROPERTY LINE
12729+52	BUILDING - BARN 116'RT
12732+04	BEGIN STREAM(S D11)
12732+14	END STREAM(S
12732+59	PROPERTY LINE
12732+60	℄ TRAIL(DIRT)
12733+53	℄ TRAIL(DIRT)
12734+76	OHP LINE
12738+28	℄ TRAIL(DIRT)
12738+40	BUILDING - BARN 49'LT
12738+42	BUILDING - SHED 7'RT
12738+64	BUILDING - HOUSE 111'RT
12738+77	BUILDING - BARN 71'RT
12738+87	BUILDING - SHED 40'LT
12739+39	BUILDING - SHED 85'RT
12746+29	PROPERTY LINE
12748+38	BEGIN WETLAND(W D5)
12748+75	END WETLAND(W D5)
12756+14	BEGIN STREAM(S D10)
12756+16	END STREAM(S D10)
12756+74	BEGIN STREAM(S D9)
12756+81	END STREAM(S D9)
12755+76	FENCE - HOG WIRE
12755+77	CULVERT 28'LT
12755+85	CULVERT 30'LT
12755+97	CULVERT 11'LT
12756+01	CULVERT 11'LT
12756+17	FENCE - HOG WIRE
12758+38	BEGIN STREAM(S D8)
12758+56	END STREAM(S D8)
12759+11	PEDESTAL - TELEPHONE 102'RT
12759+36	OHP LINE
12759+77	POWER POLE 61'LT
12759+87	GATE POST 62'LT
12759+98	FENCE - HOG WIRE
12760+01	GATE POST 66'LT
12760+30	RIGHT-OF-WAY
12760+43	EDGE OF ASPHALT
12760+52	℄ DILLONS MILL ROAD(ASPHALT)
12760+61	EDGE OF ASPHALT
12760+80	RIGHT-OF-WAY
12767+68	PROPERTY LINE
12776+60	MATCH LINE

REV 3.2.5 ISSUED FOR FERC

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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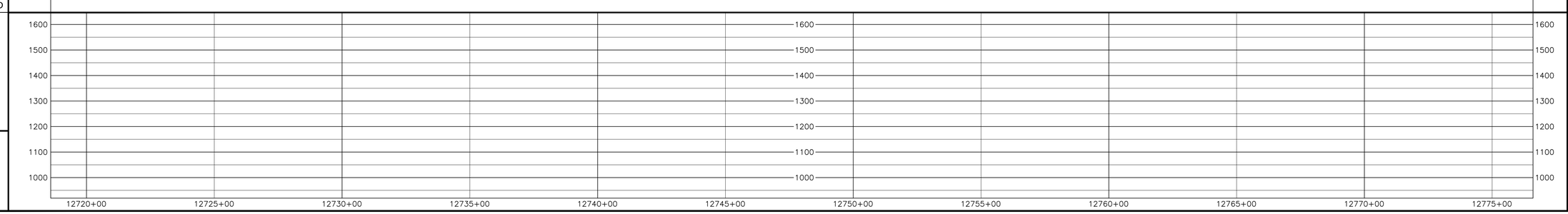
PROFILE



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www.hollandengineering.com

REVISIONS

REV.	BY	DATE	DESCRIPTION

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
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Mountain Valley

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
BOWMANS PCT.,FRANKLIN CO.,VA.
STA. 12718+60 TO STA. 12776+60

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-FRVA-H600 -03**
SHEET 261 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:52 PM	

RIGHT-OF-WAY & OWNERSHIP DATA			
DESIGN	PIPE / COATING	12776+60 12776+60	12834+60 12834+60
	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
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- TOWER LEG
- TREE
- GUY ANCHOR
- TANK
- GAS VALVE
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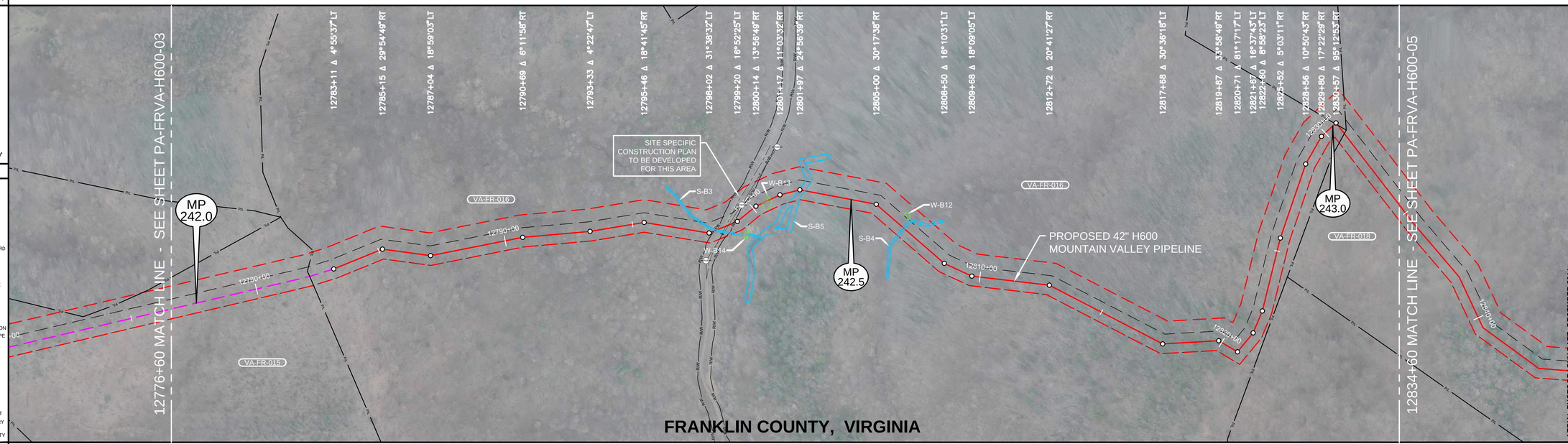
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION



FRANKLIN COUNTY, VIRGINIA

AERIAL PHOTOGRAPHY DATE: DECEMBER 2014

REV 3.2.5 ISSUED FOR FERC

HORIZONTAL STATIONING

12776+60	MATCH LINE
12782+13	PROPERTY LINE
12798+23	BEGIN STREAM(S-B3)
12798+24	RIGHT OF WAY
12798+34	END STREAM(S-B3)
12798+42	CULVERT 18"RT
12798+57	CULVERT 24"RT
12798+97	℄ FLANDERS ROAD(DIRT)
12798+85	OHP LINE
12799+09	RIGHT-OF-WAY
12799+34	EDGE OF ROAD(DIRT)
12800+34	BEGIN WETLAND(W-B13)
12800+48	END WETLAND(W-B13)
12800+67	BEGIN WETLAND(W-B13)
12800+76	END WETLAND(W-B13)
12801+15	BEGIN STREAM(S-B5)
12802+17	END STREAM(S-B5)
12806+37	BEGIN STREAM(S-B4)
12806+46	END STREAM(S-B4)
12829+73	PROPERTY CORNER 15'RT
12830+53	PROPERTY LINE
12830+68	PROPERTY LINE
12831+10	PROPERTY LINE
12834+60	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 -
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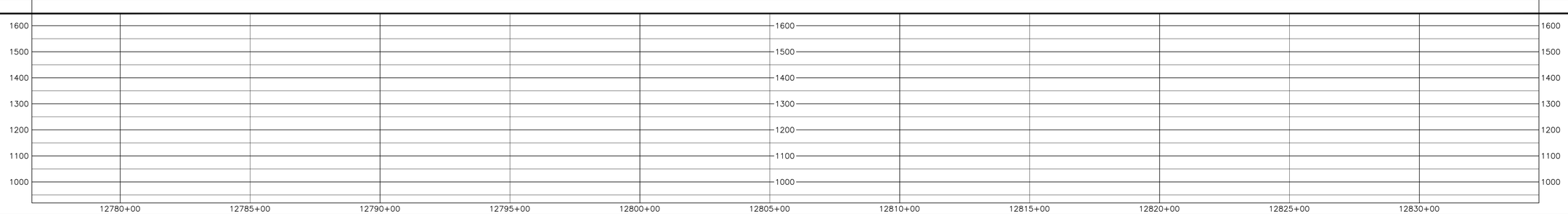
PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION

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
BOWMANS PCT.,FRANKLIN CO.,VA.
STA. 12776+60 TO STA. 12834+60

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-FRVA-H600 -04	
SHEET 262 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:52 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		12834+60	12892+60
DESIGN	PIPE / COATING	12834+60	12892+60
	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
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- 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
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- TREE
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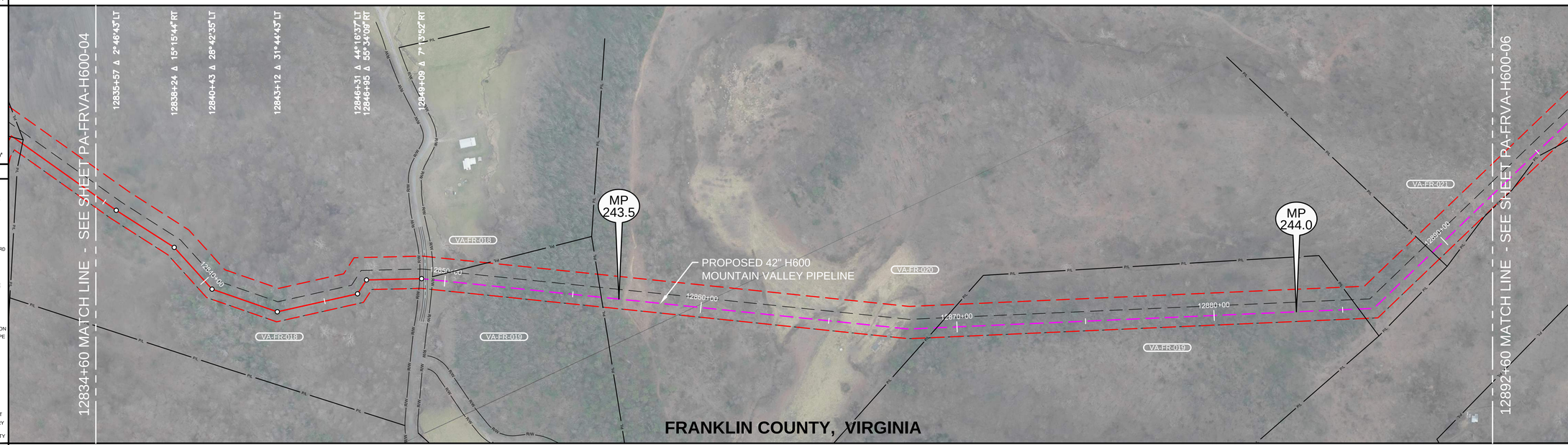
- TANK
- GAS VALVE
- WELL - GAS/OIL/WATER/MONITORING
- POST - GATE/FENCE
- ELEC/GAS/WTR METER
- PEDESTAL - UTILITY
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION



REV 3.2.5 ISSUED FOR FERC

HORIZONTAL STATIONING

12834+60 MATCH LINE
12849+01 RIGHT-OF-WAY
12849+18 EDGE OF ASPHALT
12849+25 EDGE OF ROAD(ASPHALT)
12849+35 EDGE OF ASPHALT
12849+51 RIGHT-OF-WAY
12856+11 PROPERTY LINE
12869+20 PROPERTY LINE
12885+63 PROPERTY LINE
12889+36 PROPERTY LINE
12892+60 MATCH LINE

WORK SPACE

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

MATCH LINE 12834+60 — 50.0' 37.5' 125.0' 37.5' — 12892+60 MATCH LINE

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

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PROFILE

1600 1500 1400 1300 1200 1100 1000

12835+00 12840+00 12845+00 12850+00 12855+00 12860+00 12865+00 12870+00 12875+00 12880+00 12885+00 12890+00

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www.hollandengineering.com

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
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Mountain Valley

PIPELINE ALIGNMENT

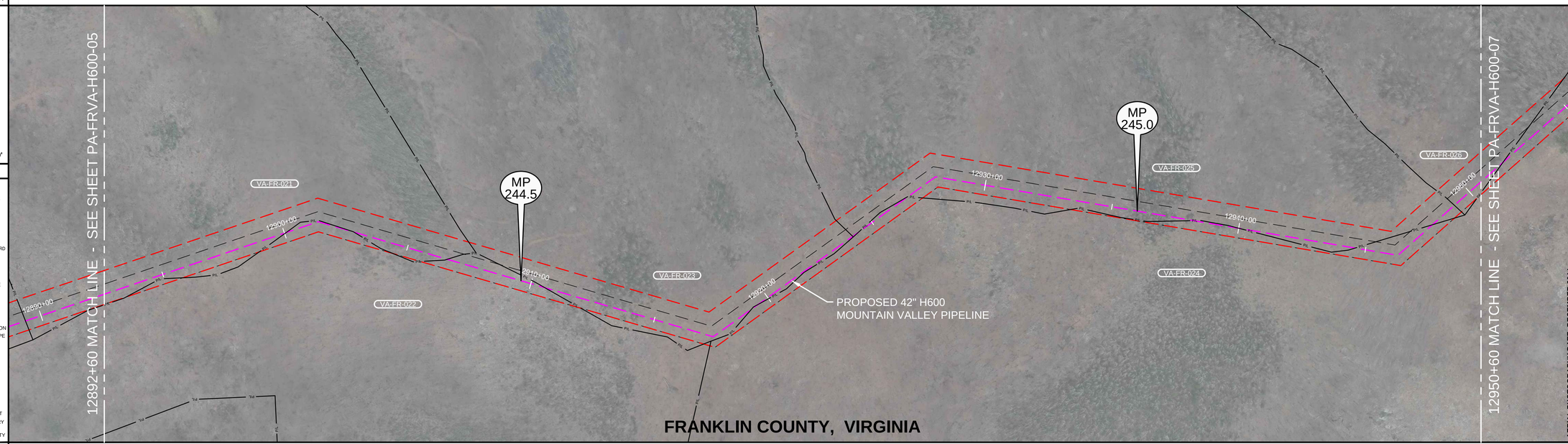
MOUNTAIN VALLEY PROJECT - H600 LINE
BOWMANS PCT.,FRANKLIN CO.,VA.
STA. 12834+60 TO STA. 12892+60

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-FRVA-H600 -05	
SHEET 263 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:52 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		12892+60	12950+60
DESIGN	PIPE / COATING	12892+60	12950+60
	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

MATCH LINE 12892+60 | PROPERTY LINE 12900+06 | PROPERTY LINE 12902+83 | PROPERTY LINE 12906+61 | PROPERTY LINE 12910+57 | PROPERTY LINE 12919+22 | PROPERTY LINE 12919+55 | PROPERTY LINE 12924+07 | PROPERTY LINE 12924+33 | PROPERTY LINE 12926+72 | PROPERTY LINE 12938+22 | PROPERTY LINE 12940+04 | PROPERTY LINE 12944+59 | PROPERTY LINE 12948+08 | PROPERTY LINE 12949+22 | MATCH LINE 12950+60

WORK SPACE

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

MATCH LINE 12892+60 — 50.0' 37.5' 125.0' 37.5' — 12950+60 MATCH LINE

CONSTRUCTION METHOD

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PROFILE

1600 1500 1400 1300 1200 1100 1000

12895+00 12900+00 12905+00 12910+00 12915+00 12920+00 12925+00 12930+00 12935+00 12940+00 12945+00 12950+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
BOWMANS & BOONES MILL PCT.,FRANKLIN CO.,VA.
STA. 12892+60 TO STA. 12950+60

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-FRVA-H600 -06	
SHEET 264 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:52 PM	

RIGHT-OF-WAY & OWNERSHIP DATA		12950+60	13008+60
DESIGN	PIPE / COATING	12950+60	13008+60
	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
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- C/L STREAM
- EDGE OF WATER
- C/L ROAD
- C/L RAILROAD
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- PI SYMBOL / PROPOSED TEST STATION
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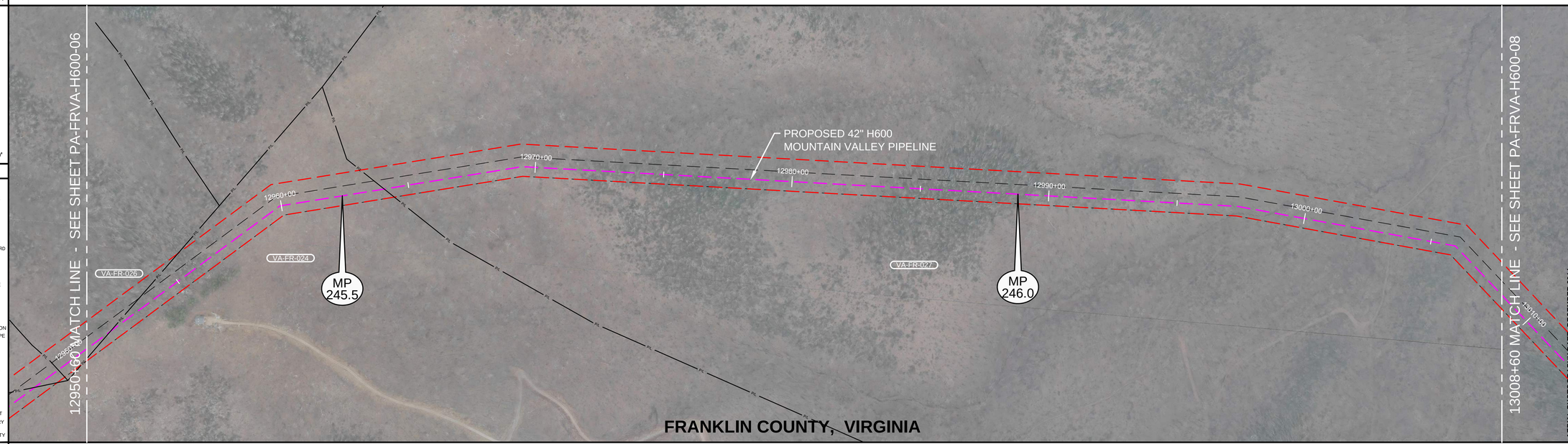
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION



REV 3.2.5 ISSUED FOR FERC

HORIZONTAL STATIONING

12950+60 MATCH LINE | 12951+74 PROPERTY LINE | 12964+05 PROPERTY LINE | 13008+60 MATCH LINE

WORK SPACE

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

MATCH LINE 12950+60 — 50.0' 37.5' 125.0' 37.5' — MATCH LINE 13008+60

CONSTRUCTION METHOD

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PROFILE

1600 1500 1400 1300 1200 1100 1000

12955+00 12960+00 12965+00 12970+00 12975+00 12980+00 12985+00 12990+00 12995+00 13000+00 13005+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
BOONES MILL PCT.,FRANKLIN CO.,VA.
STA. 12950+60 TO STA. 13008+60

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-FRVA-H600 -07	
SHEET 265 OF 312	REV. 0
DATE OF PLOT: 05/21/15 1:53 PM	