RIGHT-OF-WAY & OWNERSHIP DATA

Station range	Parcel(s)	Length
15610+02 – 15619+06	VA-PI-088	904 LF / 906 SLOPE
15619+06 – 15619+83	VA-PI-088 / VA-PI-090	77 LF / 77 SLOPE
15619+83 – 15635+18	VA-PI-090	1535 LF / 1536 SLOPE
15635+18 – 15635+62	COUNTY ROUTE 691	44 LF - 44 SLOPE
15635+62 – 15639+15	VA-PI-091	353 LF / 353 SLOPE
15639+15 – 15640+42	VA-PI-092 / VA-PI-091	127 LF / 127 SLOPE
15640+42 – 15640+86	VA-PI-092	44 LF / 44 SLOPE
15640+86 – 15641+44	VA-PI-092 / VA-PI-093	58 LF / 58 SLOPE
15641+44 – 15648+36	VA-PI-093	692 LF / 693 SLOPE
15648+36 – 15649+70	VA-PI-094 / VA-PI-093	134 LF / 134 SLOPE
15649+70 – 15657+53	VA-PI-094	783 LF / 786 SLOPE
15657+53 – 15658+85	VA-PI-094 / VA-PI-095	132 LF / 132 SLOPE
15658+85 – 15659+89	VA-PI-094	104 LF / 105 SLOPE
15659+89 – 15660+70	VA-PI-096 / VA-PI-094	81 LF / 81 SLOPE
15660+70 – 15664+80	VA-PI-096	410 LF / 412 SLOPE

DESIGN

Station range	PIPE / COATING	SLOPE DISTANCE
15610+02 – 15629+41	1	1942'
15629+41 – 15634+80	2	559'
15634+80 – 15636+00	5	80'
15636+00 – 15648+02	2	1223'
15648+02 – 15654+67	1	665'
15654+67 – 15663+67	2	906'
15663+67 – 15664+80	1	113'

CLASS LOCATION / HCA: 1 (15610+02 – 15629+41); 2 (15629+41 – 15648+02); 1 (15648+02 – 15654+67); 2 (15654+67 – 15663+67); 1 (15663+67 – 15664+80)

HCA - 15 (to 15642+69); 15649+34 HCA - 15

ENVIRONMENTAL

CONSTRUCTION EXCLUSION (15610+02 – 15664+80): TIME OF YEAR RESTRICTION: TIMBER TO BE DOWN BY TO MAY 31, 2018

WETLAND / STREAM	S-G2	W-G2
	3.5 LF	152 LF

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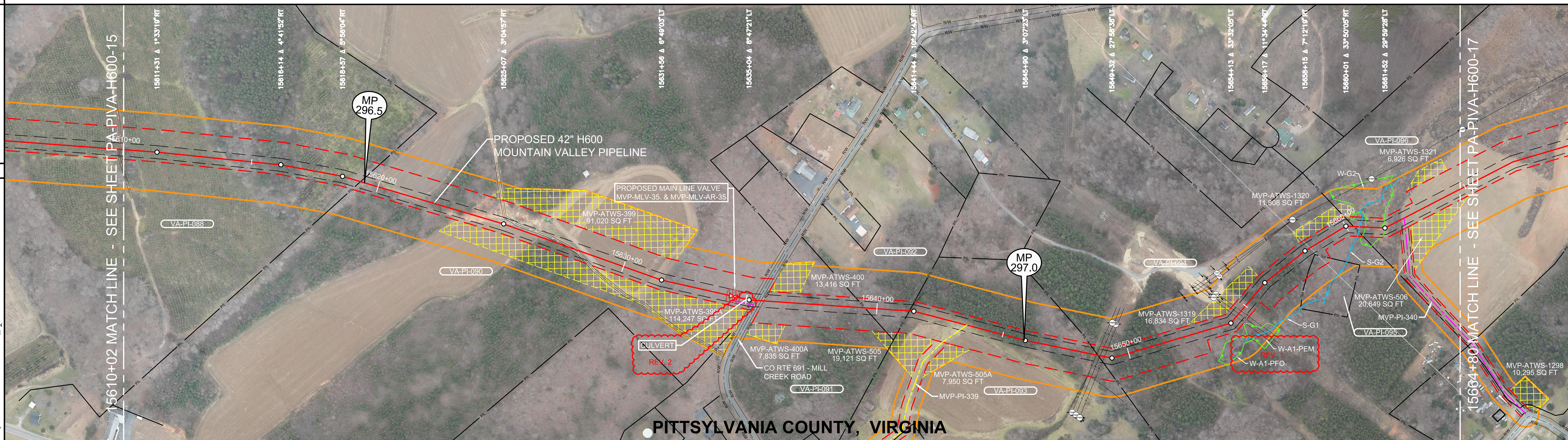
PLAN VIEW



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

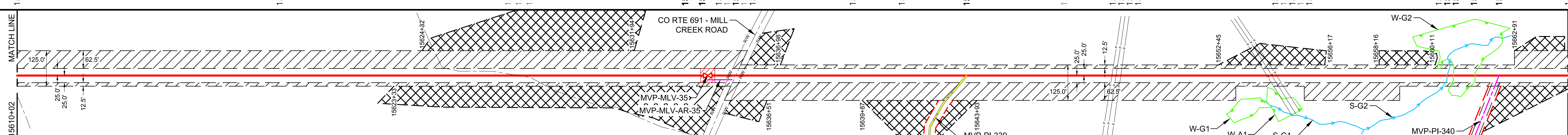
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

- 15610+02 MATCH LINE
- 15619+29 PROPERTY LINE
- 15627+36 EDGE OF DIRT
- 15627+74 ℄ FIELD ROAD(DIRT)
- 15628+11 EDGE OF DIRT
- **15634+41 PROPOSED MAIN LINE VALVE (MVP-MLV-35)**
- **15634+41 ACCESS ROAD – PERMANENT (MVP-MLV-AR-35)16'RT**
- 15635+18 RIGHT-OF-WAY
- 15635+30 EDGE OF ASPHALT
- **15635+40 ℄ CO RTE 691 – MILL CREEK ROAD**
- 15635+51 EDGE OF ASPHALT
- 15635+62 RIGHT-OF-WAY
- 15639+53 PROPERTY LINE
- 15641+26 PROPERTY LINE
- **15643+55 ACCESS RD – TEMPORARY(MVP-PI-339)**
- 15647+00 PROPERTY CORNER 7'RT
- 15648+71 OHP LINE
- 15648+77 PROPERTY LINE
- 15648+86 OHP LINE
- 15649+03 OHP LINE
- 15654+46 OHP LINE
- 15654+47 GUY ANCHOR 82'LT
- 15654+61 OHP LINE
- 15654+62 GUY ANCHOR 82'LT
- 15654+74 OHP LINE
- 15660+31 PROPERTY LINE
- 15660+53 ℄ STREAM(S-G2)
- 15660+75 BEGIN WETLAND(W-G2)
- 15661+47 END WETLAND(W-G2)
- 15662+36 ACCESS RD – PERMANENT (MVP-PI-340)
- 15664+80 MATCH LINE

WORK SPACE

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



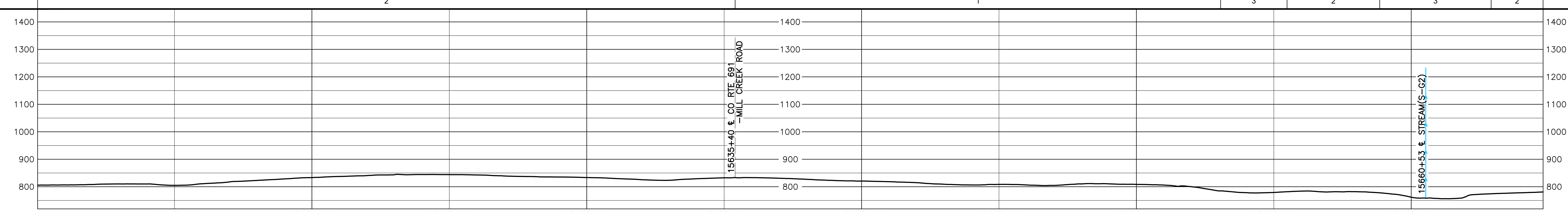
CONSTRUCTION METHOD

Station range	Method
15610+02 – 15635+40	2
15635+40 – 15654+	1
	3
	2
	3
– 15664+80	2

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
5 -
6 -
7 -
8 -
9 -
10 -
11 -
12 -
13 -
14 -
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 - SPLIT WETLAND & REVISED LABELS
2	HEI	04-13-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	2720	42"O.D. X 0.617"W.T., X-70, FUSION BONDED EPOXY
2	2688	42"O.D. X 0.740"W.T., X-70, FUSION BONDED EPOXY
5	80	42"O.D. X 0.888"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 CENTRAL PCT.,PITTSYLVANIA CO.,VA. STA. 15610+02 TO STA. 15664+80

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-PIVA-H600 -16	
SHEET 322 OF 326	REV. 2
DATE OF PLOT: 04/19/16 2:11 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

Station	Parcel	Length
15664+80 – 15687+34	VA-PI-96	2254 LF / 2265 SLOPE
15687+34 – 15687+49	VA-PI-??? / VA-PI-96	15 LF / 15 SLOPE
15687+49 – 15691+43	VA-PI-???	394 LF / 395 SLOPE
15691+43 – 15691+74	VA-PI-098 / VA-PI-???	31 LF / 31 SLOPE
15691+74 – 15698+99	VA-PI-098	725 LF / 727 SLOPE
15698+99 – 15699+80	VA-PI-098 / VA-PI-099	81 LF / 82 SLOPE
15699+80 – 15713+36	VA-PI-099	1356 LF / 1358 SLOPE
15713+36 – 15714+01	VA-PI-099 / VA-PI-100	65 LF / 65 SLOPE
15714+01 – 15717+95	VA-PI-100	394 LF / 394 SLOPE

DESIGN

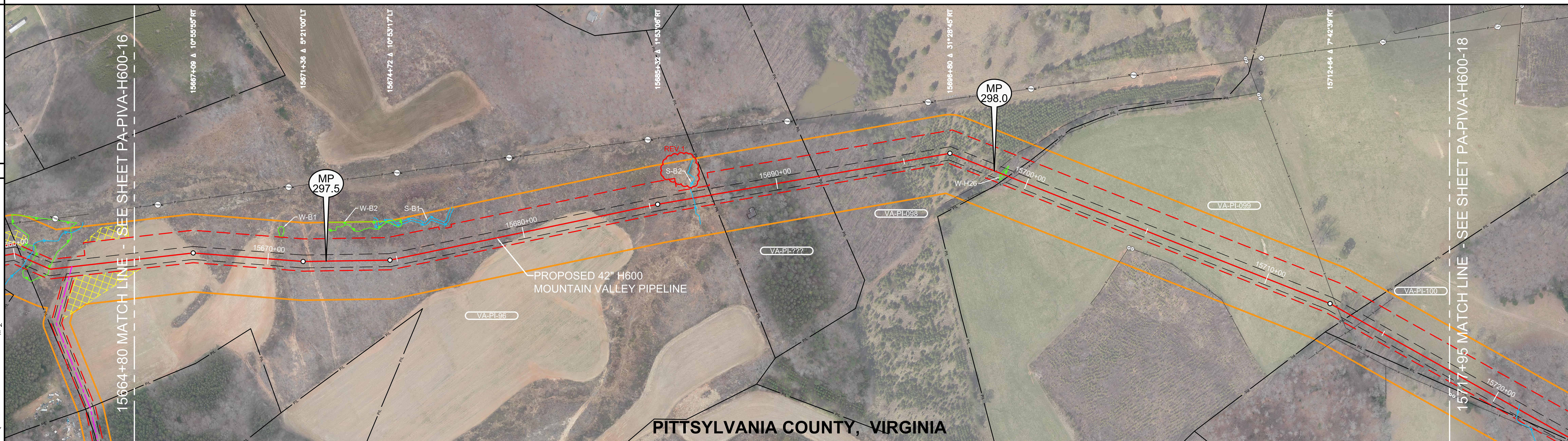
PIPE / COATING (15664+80 – 15717+95)	1
SLOPE DISTANCE	5332'
CLASS LOCATION / HCA	1 (HCA - 16, 15672+27)

ENVIRONMENTAL

CONSTRUCTION EXCLUSION (15664+80 – 15717+95)	TIME OF YEAR RESTRICTION: TIMBER TO BE DOWN BY TO MAY 31, 2018
WETLAND / STREAM	S-B2A 5 LF; W-H26 21 LF
.	
.	

RIGHT-OF-WAY & OWNERSHIP DATA (cont.): 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
- 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

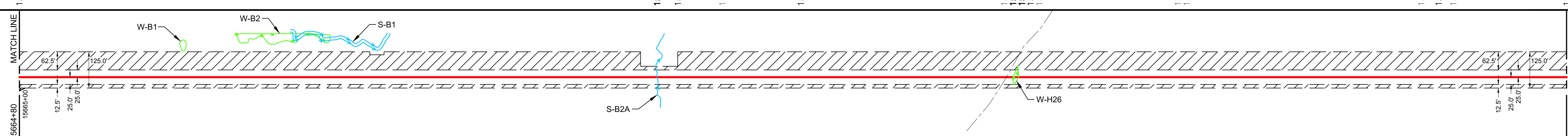
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

- 15664+80 MATCH LINE
- 15686+71 ℄ STREAM(S-B2A)
- 15687+42 PROPERTY LINE
- 15688+95 BUILDING - HOUSE - DEMO'D 74'RT
- 15691+65 PROPERTY LINE
- 15698+70 ℄ FIELD ROAD(DIRT)
- 15698+93 BEGIN-END WETLAND(W-H26)
- 15699+11 BEGIN-END WETLAND(W-H26)
- 15699+24 PROPERTY LINE
- 15699+42 FENCE - BARBED WIRE
- 15704+60 GATE POST 85'RT
- 15704+74 GATE POST 85'RT
- 15712+96 FENCE - BARBED WIRE
- 15713+56 PROPERTY LINE
- 15714+06 FENCE - BARBED WIRE
- 15717+95 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

15664+80 – 15686+	S-B2A	– 15717+95
2	3	2

CONSTRUCTION METHOD KEY
1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
5 -
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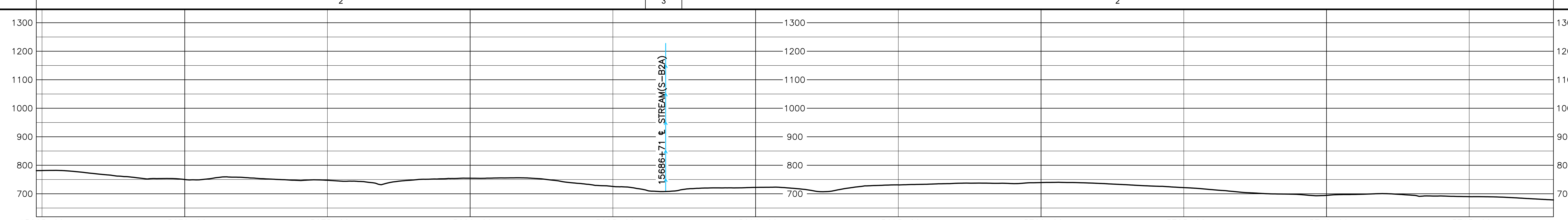
14 -
15 -
16 -

PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0.0 ISSUED TO FERC
1	HEI	04-16-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5332	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 CENTRAL PCT.,PITTSYLVANIA CO.,VA. STA. 15664+80 TO STA. 15717+95

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-PIVA-H600 -17	
SHEET 323 OF 326	REV. 1
DATE OF PLOT: 04/19/16 2:11 PM	

RIGHT-OF-WAY & OWNERSHIP DATA

Station	Parcel	Length
15717+95 – 15720+18	VA-PI-100	223 LF, 223 SLOPE
15720+18 – 15732+40	VA-PI-100 / VA-PI-101	1222 LF, 1225 SLOPE
15732+40 – 15732+67	VA-PI-??? / VA-PI-102 / VA-PI-101	27 LF, 28 SLOPE
15732+67 – 15742+39	VA-PI-??? / VA-PI-102	972 LF, 975 SLOPE
15742+39 – 15747+08	VA-PI-???	469 LF, 471 SLOPE
15747+08 – 15754+61	VA-PI-104	753 LF, 760 SLOPE
15754+61 – 15755+96	VA-PI-??? / VA-PI-104	135 LF, 139 SLOPE
15755+96 – 15756+56	COUNTY ROUTE 685	60 LF - 62 SLOPE
15756+56 – 15774+12	VA-PI-105	1756 LF, 1764 SLOPE

DESIGN

PIPE / COATING	15717+95 – 15755+86: 1	15755+86 – 15756+66: 4	15756+66 – 15774+12: 1
SLOPE DISTANCE	3812'	80'	1755'
CLASS LOCATION / HCA	1		

ENVIRONMENTAL

CONSTRUCTION EXCLUSION: TIME OF YEAR RESTRICTION: TIMBER TO BE DOWN BY TO MAY 31, 2018

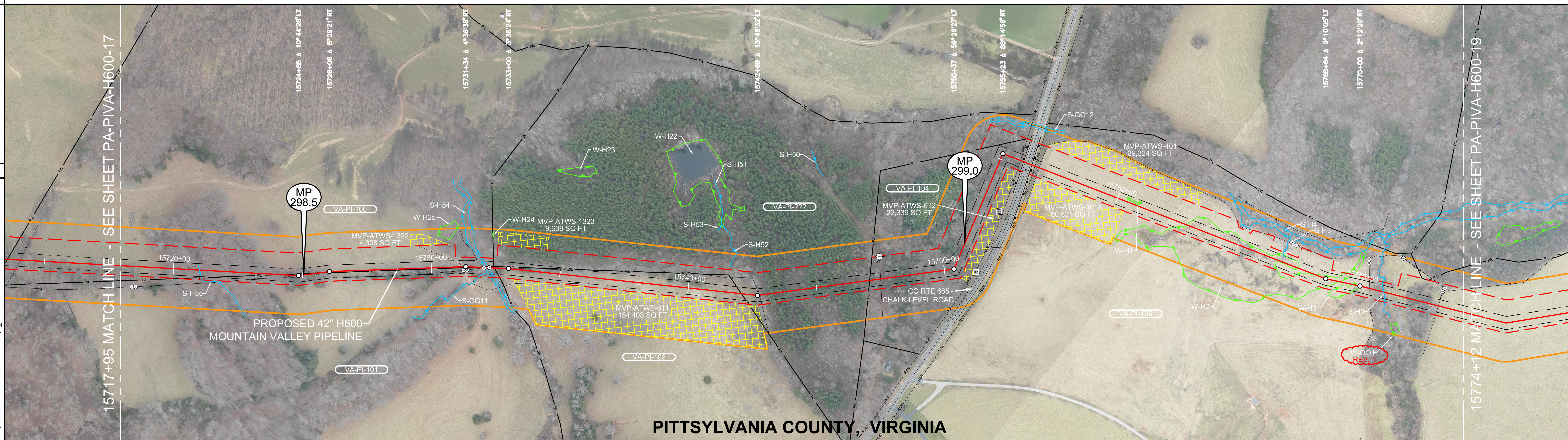
WETLAND / STREAM	S-H55	S-H54	W-H1	W-H2	S-H3	W-H3	S-H5	W-OO1 (REV. 1)
	3 LF	12 LF	58 LF	732 LF	6 LF	99 LF	8 LF	

PLAN VIEW

Scale: 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



AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

REV 4.0.0 - ISSUED TO FERC

REFERENCE DRAWINGS

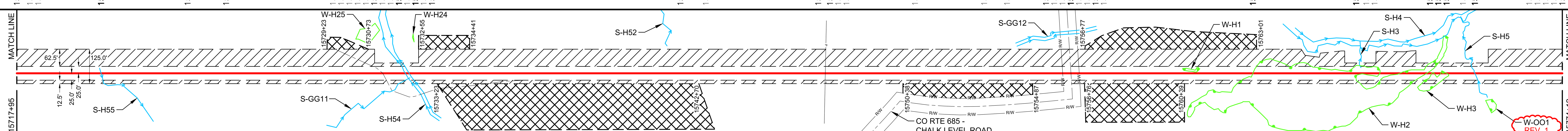
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

15717+95 MATCH LINE
15718+43 GATE POST 79'RT
15718+57 GATE POST 78'RT
15721+01 ℄ STREAM(S-H55)
15724+15 PROPERTY LINE
15725+55 PROPERTY LINE
15731+25 ℄ TRAIL(DIRT)
15731+25 GATE POST 15'RT
15731+40 GATE POST 12'RT
15731+49 CULVERT 69'RT
15731+66 CULVERT 57'RT
15731+76 PROPERTY LINE
15732+02 FENCE - BARBED WIRE
15732+05 GATE POST 1'RT
15732+08 STREAM BANK(S-H54)
15732+17 GATE
15732+20 STREAM BANK(S-H54)
15732+25 GATE POST 1'LT
15732+45 PROPERTY LINE
15742+07 PROPERTY LINE
15742+77 FENCE - BARBED WIRE
15747+08 PROPERTY LINE
15747+50 OHP LINE
15747+57 POWER POLE 87'LT
15747+61 GUY ANCHOR 82'LT
15750+60 PEDESTAL - TELEPHONE 83'RT
15753+11 PEDESTAL - TELEPHONE 74'RT
15753+94 CULVERT 81'RT
15755+96 RIGHT-OF-WAY
15756+09 GUARDRAIL
15756+15 EDGE OF ASPHALT
15756+26 ℄ CO RTE 685 - CHALK LEVEL ROAD
15756+38 EDGE OF ASPHALT
15756+44 GUARDRAIL
15756+56 RIGHT-OF-WAY
15756+74 FENCE - ELECTRIC
15762+88 BEGIN WETLAND(W-H2)
15766+82 ℄ STREAM(S-H3) 20' LT
15767+00 GATE POST 80'LT
15767+11 GATE POST 80'LT
15769+45 END WETLAND(W-H2)
15769+70 BEGIN WETLAND(W-H3)
15769+91 END WETLAND(W-H3)
15770+38 FENCE - ELECTRIC
15770+94 ℄ STREAM(S-H5)
15773+13 FENCE - ELECTRIC
15773+13 FENCE - ELECTRIC
15773+15 GATE POST 58'LT
15773+21 GATE POST 72'LT
15774+12 MATCH LINE

WORK SPACE

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



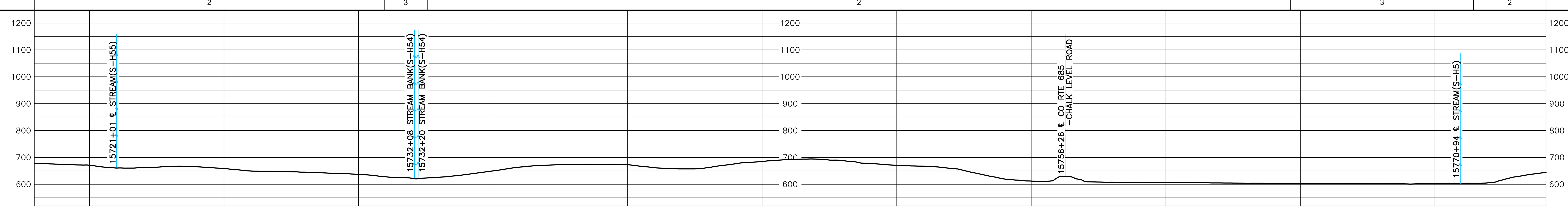
CONSTRUCTION METHOD

15717+95 – 15732+08	15732+08 – 15732+40	15732+40 – 15762+88	15762+88 – 15770+38	15770+38 – 15774+12
2	3	2	3	2

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
5 -
6 -
7 -
8 -
9 -
10 -
11 -
12 -
13 -
14 -
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	04-14-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5567	42"O.D. X 0.617"W.T., X-70, FUSION BONDED EPOXY
4	80	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 CENTRAL PCT.,PITTSYLVANIA CO.,VA. STA. 15717+95 TO STA. 15774+12

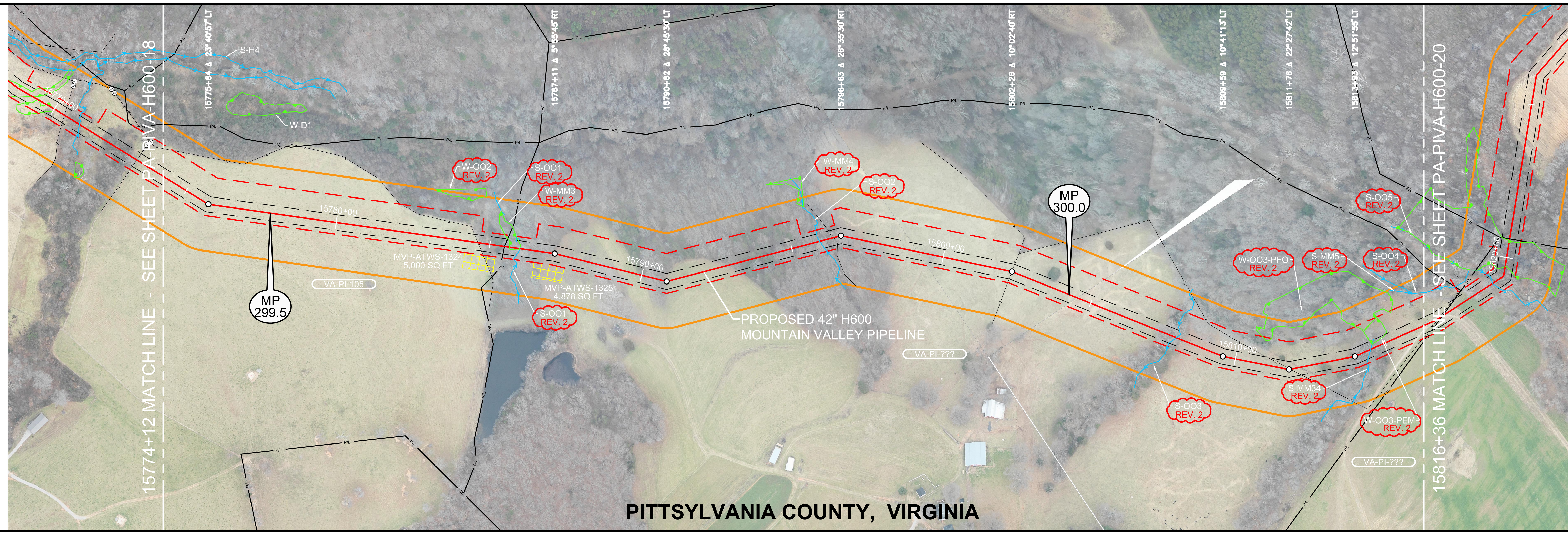
HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/11/15
DRAFTING CK:	.
ENGINEERING CK:	.
CONSTRUCTION CK:	.
ENVIRONMENTAL CK:	.
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-PIVA-H600 -18	
SHEET 324 OF 326	REV. 1
DATE OF PLOT: 04/19/16 2:12 PM	

RIGHT-OF-WAY & OWNERSHIP DATA			
	15774+12 – 15785+48: 1136 LF / 1140 SLOPE	15785+48 – 15816+31: 3083 LF / 3100 SLOPE	15816+31 – 15816+36: 5 LF / 5 SLOPE

DESIGN	
PIPE / COATING	1
SLOPE DISTANCE	4245'
CLASS LOCATION / HCA	1

ENVIRONMENTAL	
CONSTRUCTION EXCLUSION	TIME OF YEAR RESTRICTION: TIMBER TO BE DOWN BY TO MAY 31, 2018
WETLAND / STREAM	REV. 2 W-OO2; REV. 2 W-MM3 54 FT, S-OO1 5 FT; REV. 2 W-MM4, S-OO2 5 FT; REV. 2 S-OO3 6 FT; REV. 2 W-OO3-PFO; REV. 2 W-OO3-PEM 68 FT, S-MM34 6 FT

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
- 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

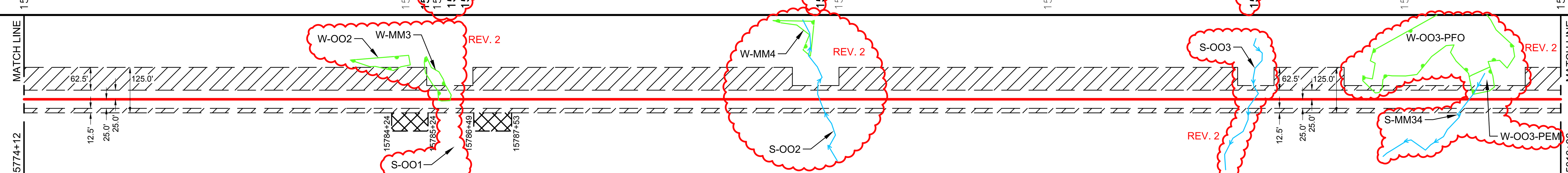
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

- 15774+12 MATCH LINE
- 15784+?? FENCE - ELECTRIC
- 15785+44 BEGIN WETLAND(W-MM3)
- 15785+48 PROPERTY LINE
- 15785+91 ℄ STREAM(S-OO1)
- 15785+98 END WETLAND(W-MM3)
- REV. 2
- 15795+93 ℄ STREAM(S-OO2) REV. 2
- 15796+40 FENCE - BARBED WIRE
- 15802+26 FENCE - BARBED WIRE
- 15807+97 ℄ STREAM(S-OO3) REV. 2
- 15811+81 FENCE - BARBED WIRE
- 15816+36 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

2	3	2

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
5 -
6 -
7 -
8 -
9 -
10 -
11 -
12 -
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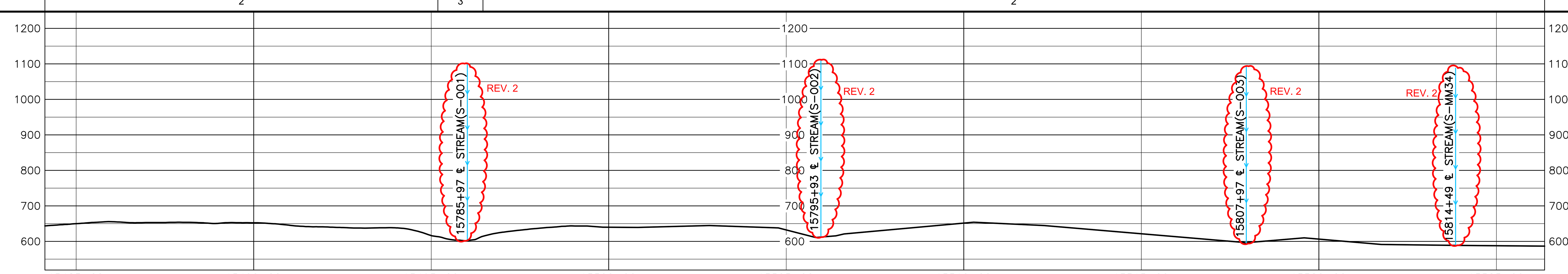
14 -
15 -
16 -

PROFILE



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26555 Evergreen Rd. Suite 430, Southfield, Michigan 48076, T 248-827-7322 F 248-827-7549
www.hollandengineering.com

AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

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 AND NWI WETLAND
2	HEI	04-14-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	4245	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 FERC			APPROVED FOR BIDDING			APPROVED FOR CONSTRUCTION		
REV.	BY	DATE	REV.	BY	DATE	REV.	BY	DATE
0	RRR	10-15-15	.	.	.	.	.	.

Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE CENTRAL PCT.,PITTSYLVANIA CO.,VA. STA. 15774+12 TO STA. 15816+36

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-PIVA-H600 -19	
SHEET 325 OF 326	REV. 2
DATE OF PLOT: 04/20/16 8:05 AM	

RIGHT-OF-WAY & OWNERSHIP DATA

Station	Parcel	Length
15816+36 – 15817+76	VA-PI-??? / VA-PI-???	140 LF, 140 SLOPE
15817+76 – 15817+99	VA-PI-??? / VA-PI-??? / VA-PI-???	23 LF, 23 SLOPE
15817+99 – 15820+27	VA-PI-???	128 LF, 128 SLOPE
15820+27 – 15820+61	VA-PI-??? / VA-PI-???	24 LF, 24 SLOPE
15820+61 – 15820+80	VA-PI-??? / VA-PI-112.01	19 LF, 19 SLOPE
15820+80 – 15839+09	VA-PI-112.01	1829 LF, 1831 SLOPE
15839+09 – 15839+48	VA-PI-113 / VA-PI-112.01	39 LF, 39 SLOPE
15839+48 – 15855+27	VA-PI-113	1579 LF, 1581 SLOPE

DESIGN

PIPE / COATING	1
SLOPE DISTANCE	3895'
CLASS LOCATION / HCA	1

15816+36 – 15855+27

ENVIRONMENTAL

CONSTRUCTION EXCLUSION: TIME OF YEAR RESTRICTION: TIMBER TO BE DOWN BY TO MAY 31, 2018

WETLAND / STREAM:

REV. 2				REV. 1		REV. 2	
S-OO5	W-OO4	S-H41	W-H19	W-H18-PEM	W-H18-PFO	S-MM21	W-MM14
9 LF	198 LF	10 LF	83 LF	301 LF	174 LF	5 LF	12 LF

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
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- WELL - GAS/OIL/WATER/ MONITORING
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- CATCH BASIN - CULVERT
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- ABOVE GROUND FACILITY
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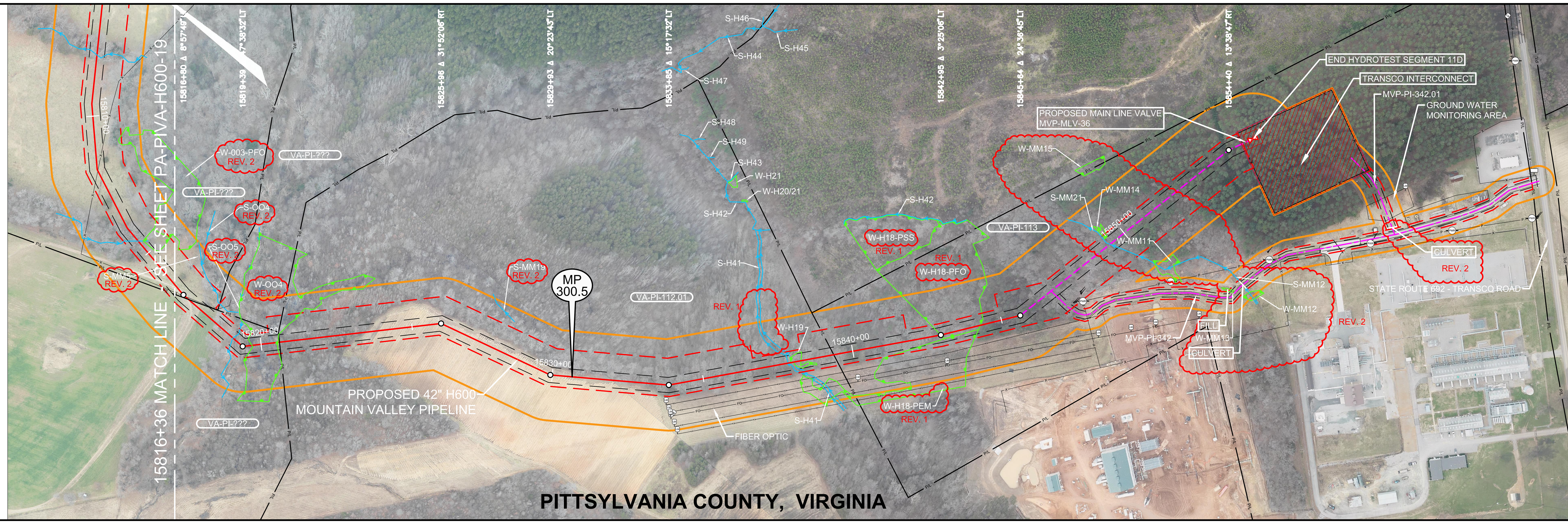


AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

REV 4.0.0 - ISSUED TO FERC

REFERENCE DRAWINGS

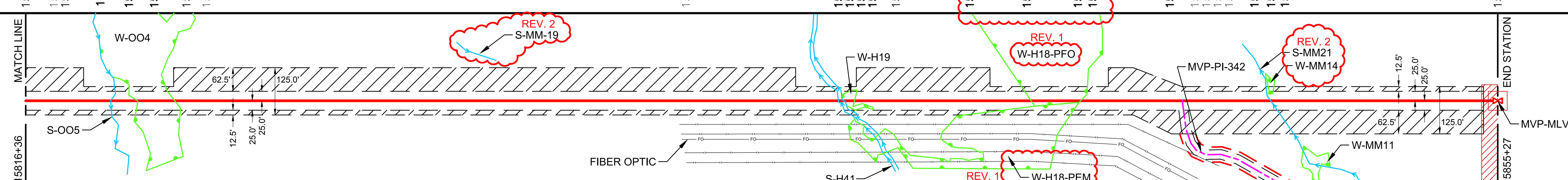
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

- 15816+36 MATCH LINE
- 15816+89 FENCE – BARBED WIRE
- 15817+03 PROPERTY LINE
- 15818+96 ℄ STREAM(S–OO5)
- 15819+44 BEGIN WETLAND(W–OO4)
- 15821+42 END WETLAND(W–OO4)
- 15820+61 PROPERTY LINE
- 15821+14 PROPERTY CORNER 5'LT
- 15833+82 LINE MARKER 66'RT
- 15837+87 STREAM BANK(S–H41)
- 15837+97 STREAM BANK(S–H41)
- 15837+99 BEGIN WETLAND(W–H19)
- 15838+27 END WETLAND(W–H19)
- 15839+36 PROPERTY LINE
- REV. 1
- 15841+18 BEGIN WETLAND(W–H18–PEM)
- 15842+69 BEGIN WETLAND(W–H18–PFO)
- 15844+19 END WETLAND(W–H18–PEM)
- 15844+43 END WETLAND(W–H18–PFO)
- 15846+93 ACCESS RD – PERMANENT (MVP–PI–342)
- 15847+27 GUY ANCHOR 77'RT
- 15847+33 GUY ANCHOR 80'RT
- 15847+64 GUY ANCHOR 69'RT
- 15847+66 GUY ANCHOR 63'RT
- 15849+41 ℄ STREAM(S–MM21)
- 15849+44 BEGIN WETLAND(W–MM14)
- 15849+52 END WETLAND(W–MM14)
- 15855+27 END STATION PROPOSED MAIN LINE VALVE (MP–MLV–36)

WORK SPACE

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



CONSTRUCTION METHOD

2	3	2	3	2	1

CONSTRUCTION METHOD KEY

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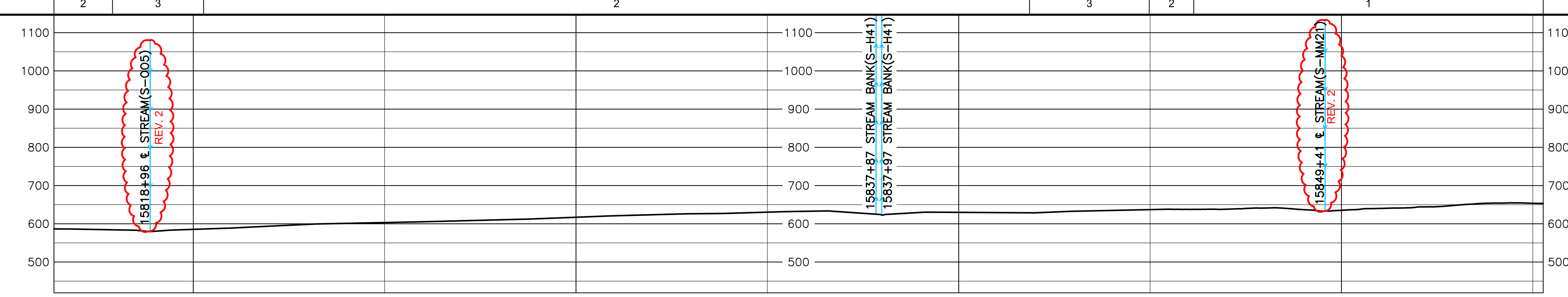

REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0.0 ISSUED TO FERC
1	HEI	01-19-16	FERC DATA REQUEST 21 - SPLIT WETLAND & REVISED LABELS AND FERC DATA REQUEST 21 - ADDED NHD WATERBODY
2	HEI	04-13-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	3895	42"O.D. X 0.617"W.T., X-70, FUSION BONDED EPOXY
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APPROVED FOR FERC		
REV.	BY	DATE
0	RRR	10-15-15

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Mountain Valley PIPELINE

PIPELINE ALIGNMENT

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AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-PIVA-H600 -20	
SHEET 326 OF 326	REV. 2
DATE OF PLOT: 04/19/16 2:13 PM	