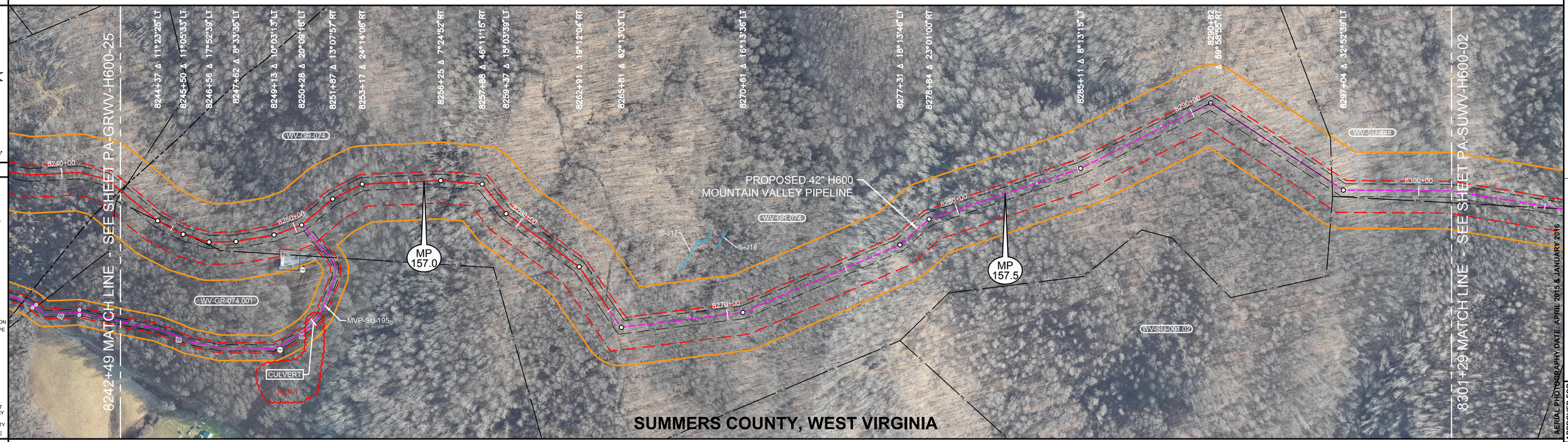
RIGHT-OF-WAY & OWNERSHIP DATA		WV-GR-074 / WV-GR-074.001 659 LF 672 SLOPE		WV-GR-074 4743 LF 4792 SLOPE		WV-SU-### / WV-SU-001.02 478 LF 480 SLOPE	
		8242+49	8249+08		8256+51		8301+29
DESIGN	PIPE / COATING	8242+49	1				8301+29
	SLOPE DISTANCE		5934'				
	CLASS LOCATION / HCA		1				
ENVIRONMENTAL	CONSTRUCTION EXCLUSION						
	WETLAND / STREAM						
	.						
	.						



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
- 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

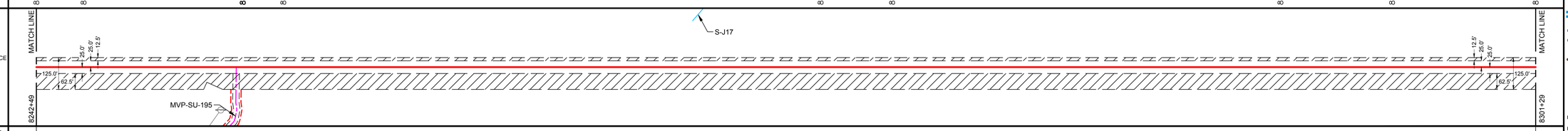
DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

8242+49 MATCH LINE BEGIN SUMMERS | GREENBRIER END | 8244+34 PROPERTY LINE | 8250+33 ACCESS RD – PERMANENT(MVP–SU–195) | 8252+05 PROPERTY LINE | 8273+24 PROPERTY LINE | 8276+05 PROPERTY LINE | 8291+28 PROPERTY LINE | 8295+65 PROPERTY LINE | 8301+29 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 -
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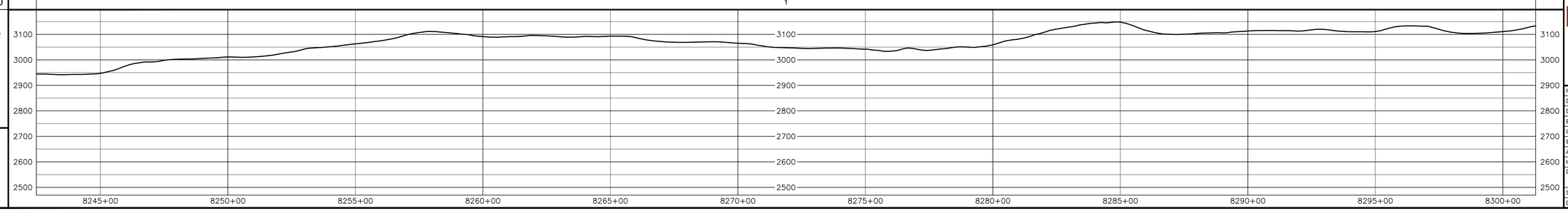
14 -
15 -
16 -

PROFILE



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REVISIONS

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

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
	5934	42"O.D. X 0.617"W.T. X70 FBE BONDED EPOXY
1		TYPE 1 TEST STATION - PIPELINE
		TYPE 4 TEST STATION - FOREIGN CROSSING

AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

APPROVED FOR CONSTRUCTION			
REV.	BY	DATE	
-	-	-	

APPROVED FOR BIDDING			
REV.	BY	DATE	
-	-	-	

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

Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
GREEN SULPHUR DIST., SUMMERS CO., W.V.
STA. 8242+49 TO STA. 8301+29

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-SUWV-H600 -01**
SHEET 173 OF 326	REV. 1
DATE OF PLOT:	04/19/16 12:16 PM

RIGHT-OF-WAY & OWNERSHIP DATA

8301+29	WV-SU-002 520 LF 536 SLOPE	8306+49	WV-SU-002 / WV-SU-002.01 260 LF 263 SLOPE	8309+09	WV-SU-002 / WV-SU-002.02 837 LF 842 SLOPE	8317+46	WV-SU-003 / WV-SU-004 193 LF 194 SLOPE
8319+39	WV-SU-004 1502 LF 1556 SLOPE	8334+41	COUNTY ROUTE 44/3 30 LF - 31 SLOPE	8334+71	WV-SU-005 1703 LF 1725 SLOPE	8351+74	WV-SU-006 975 LF 997 SLOPE
8361+49							

DESIGN

PIPE / COATING	8301+29 — 1 — 8334+36	4	8334+76 — 1 — 8361+49
SLOPE DISTANCE	3389'	40'	2715'
CLASS LOCATION / HCA	1		

ENVIRONMENTAL

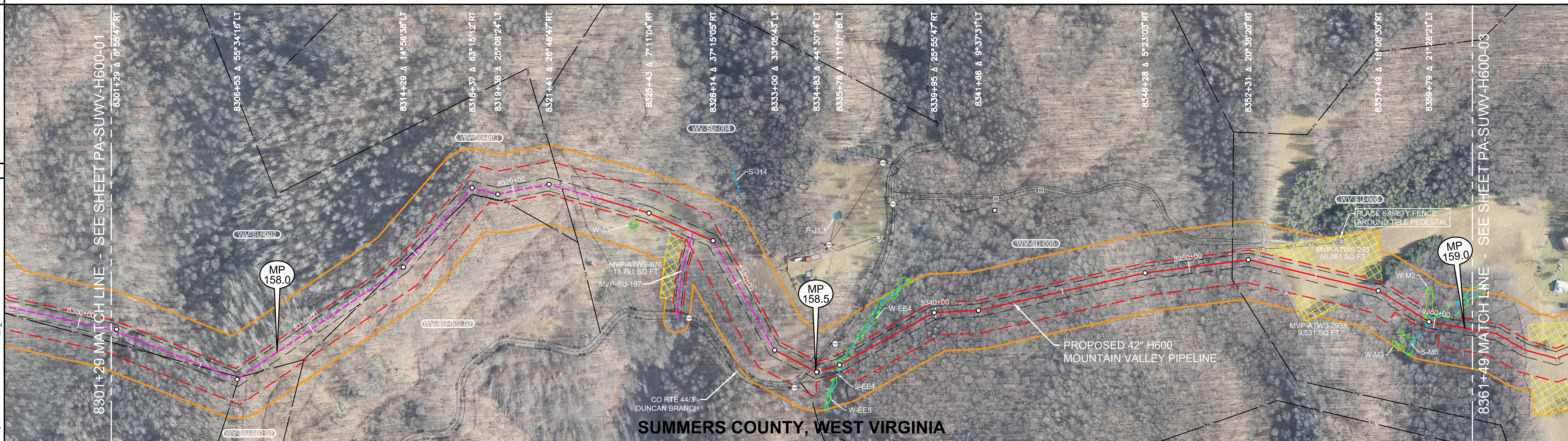
CONSTRUCTION EXCLUSION				
WETLAND / STREAM	W-EE4 97 LF	S-EE4 2.5 LF	W-M2 123 LF	S-M6 4 LF
.				
.				

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

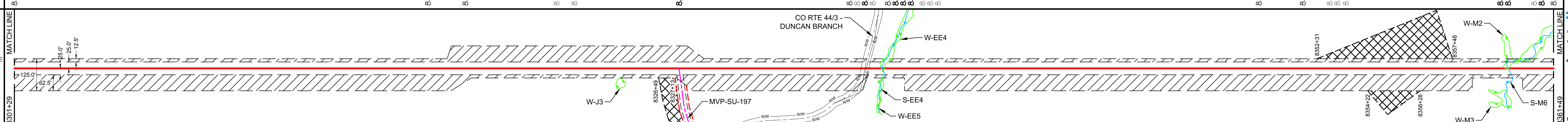
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

8301+29 MATCH LINE
8317+46 PROPERTY LINE
8318+93 PROPERTY LINE
8322+49 FENCE - BARBED WIRE
8323+19 ℄ TRAIL(DIRT)
8327+29 ACCESS RD - PERMANENT(MVP-SU-197)
8334+41 RIGHT-OF-WAY
8334+51 EDGE OF GRAVEL
8334+56 ℄ CO RTE 44/3 - DUNCAN BRANCH
8334+61 EDGE OF GRAVEL
8334+71 OHP LINE
8334+71 RIGHT-OF-WAY
8335+64 BEGIN WETLAND(W-EE4) 21'RT
8335+71 ℄ STREAM(S-EE4)
8336+61 END WETLAND(W-EE4) 38'LT
8335+06 ℄ TRAIL(GRAVEL)
8335+17 ℄ TRAIL(GRAVEL)
8336+01 POWER POLE 80'LT
8349+96 UNGRD UTILITY - TELEPHONE
8351+69 PROPERTY LINE
8352+74 GATE POST 80'LT
8352+79 FENCE POST 52'LT
8353+37 FENCE POST 17'RT
8359+47 BEGIN WETLAND(W-M2) 38'LT
8359+72 ℄ STREAM(S-M6)
8360+22 FENCE - WIRE
8360+70 END WETLAND(W-M2) 38'LT
8361+49 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	3	1	3	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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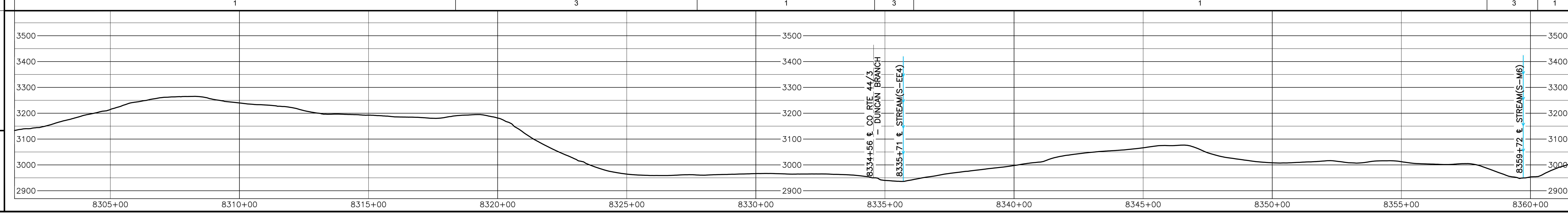
15 -
16 -

PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV 4.0.0 ISSUED TO FERC

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	6104	42"O.D. X 0.617"W.T., X-70, FUSION BONDED EPOXY
4	40	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 GREEN SULPHUR DIST., SUMMERS CO.,W.V. STA. 8301+29 TO STA. 8361+49

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-SUWV-H600 -02	
SHEET 174 OF 326	REV. 0
DATE OF PLOT: 04/19/16 12:17 PM	

RIGHT-OF-WAY & OWNERSHIP DATA	8361+49	WV-SU-006 852 LF 855 SLOPE	8370+01	WV-SU-008 / WV-SU-007 293 LF 295 SLOPE	8372+94	WV-SU-008 958 LF 970 SLOPE	8382+52	WV-SU-008 / WV-SU-007 356 LF 359 SLOPE	8386+08	WV-SU-008 2084 LF 2095 SLOPE	8406+92	WV-SU-008 / WV-SU-009 137 LF 138 SLOPE	8408+29	WV-SU-009 1120 LF 1127 SLOPE	8419+49

DESIGN		
PIPE / COATING	8361+49	1 (to 8419+49)
SLOPE DISTANCE		5839'
CLASS LOCATION / HCA		1

ENVIRONMENTAL	
CONSTRUCTION EXCLUSION	
WETLAND / STREAM	S-J13 4 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
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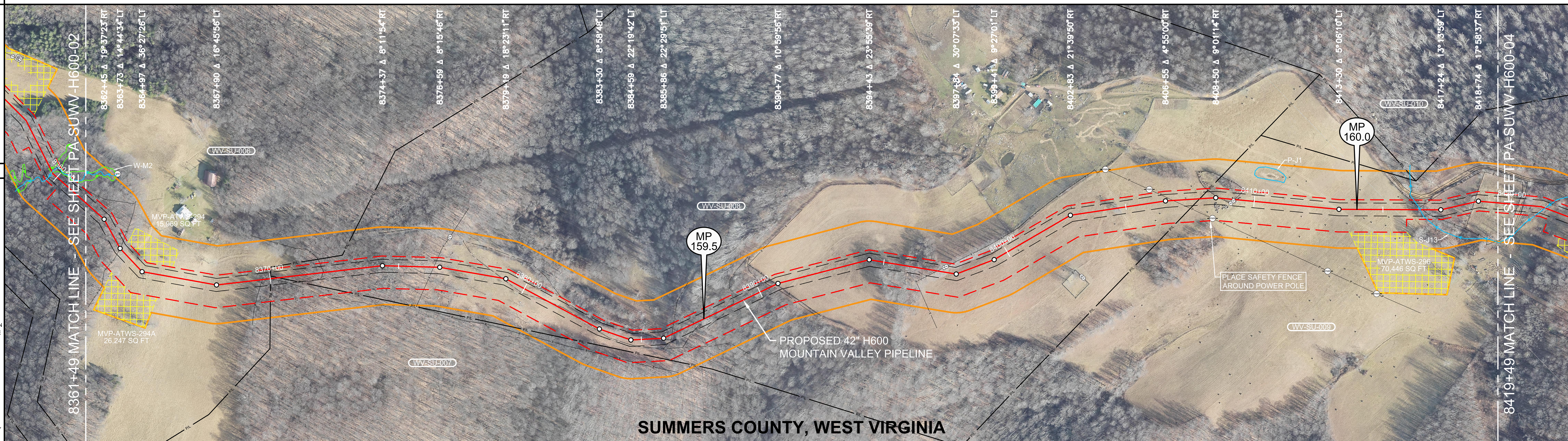
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- C/L ROAD
- C/L RAILROAD
- DELINEATED STREAM
- DELINEATED WETLAND
- BARRACADE FENCE
- PI SYMBOL
- PROPOSED TEST STATION
- MAILBOX
- LINE MARKER - VENT PIPE
- POWER/TELE POLE
- SIGN
- TOWER LEG
- TREE
- GUY ANCHOR
- TANK
- GAS VALVE
- WELL - GAS/OIL/WATER/ MONITORING
- 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

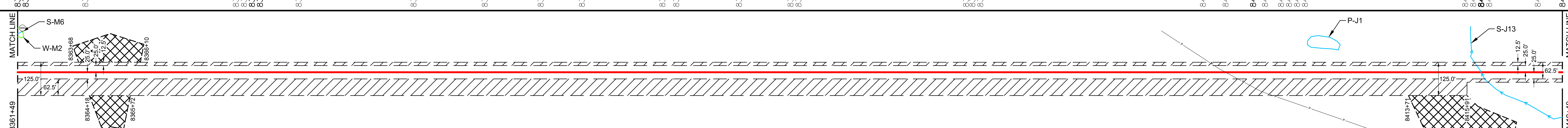
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

8361+49 MATCH LINE
8361+67 WELL – WATER 166'LT
8363+74 FENCE – WIRE
8369+69 FENCE – WIRE
8369+99 FENCE – WIRE
8370+01 PROPERTY LINE
8370+33 PROPERTY LINE
8372+05 FENCE – WIRE
8376+36 FENCE – BARBED WIRE
8379+03 ℄ TRAIL(DIRT)
8381+13 ℄ TRAIL(DIRT)
8382+68 ℄ TRAIL(DIRT)
8385+70 ℄ TRAIL(DIRT)
8386+22 ℄ TRAIL(DIRT)
8388+58 ℄ TRAIL(DIRT)
8390+51 ℄ TRAIL(DIRT)
8390+70 FENCE – BARBED WIRE
8397+10 FENCE – BARBED WIRE
8397+34 GATE POST 17'LT
8397+42 GATE POST 23'LT
8406+00 POWER POLE 54'LT
8406+85 OHP LINE
8407+88 PROPERTY LINE
8408+33 POWER POLE 79'RT
8408+66 FENCE – WIRE
8409+10 GATE POST 16'RT
8409+20 GATE POST 6'RT
8409+24 FENCE – WIRE
8416+03 CULVERT 51'LT
8416+09 CULVERT 74'LT
8416+44 ℄ STREAM(S–J13)
8416+52 FENCE – HOG WIRE
8418+57 FENCE – BARBED WIRE
8419+49 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

	8361+49 – 8416+44	8416+44 – 8419+49
CONSTRUCTION METHOD	1	3

CONSTRUCTION METHOD KEY
1 - TYPICAL R/W CONFIGURATION
2 - TYPICAL R/W CONFIGURATION
3 - TYPICAL "SKINNEY" FOR WATER BODY
4 -
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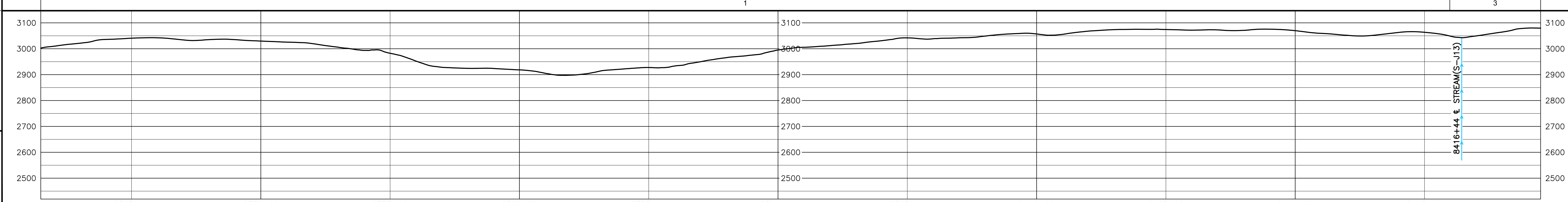
PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV 4.0.0 ISSUED TO FERC

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5839	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 GREEN SULPHUR DIST., SUMMERS CO.,W.V. STA. 8361+49 TO STA. 8419+49

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-SUWV-H600 -03	
SHEET 175 OF 326	REV. 0
DATE OF PLOT: 04/19/16 12:18 PM	