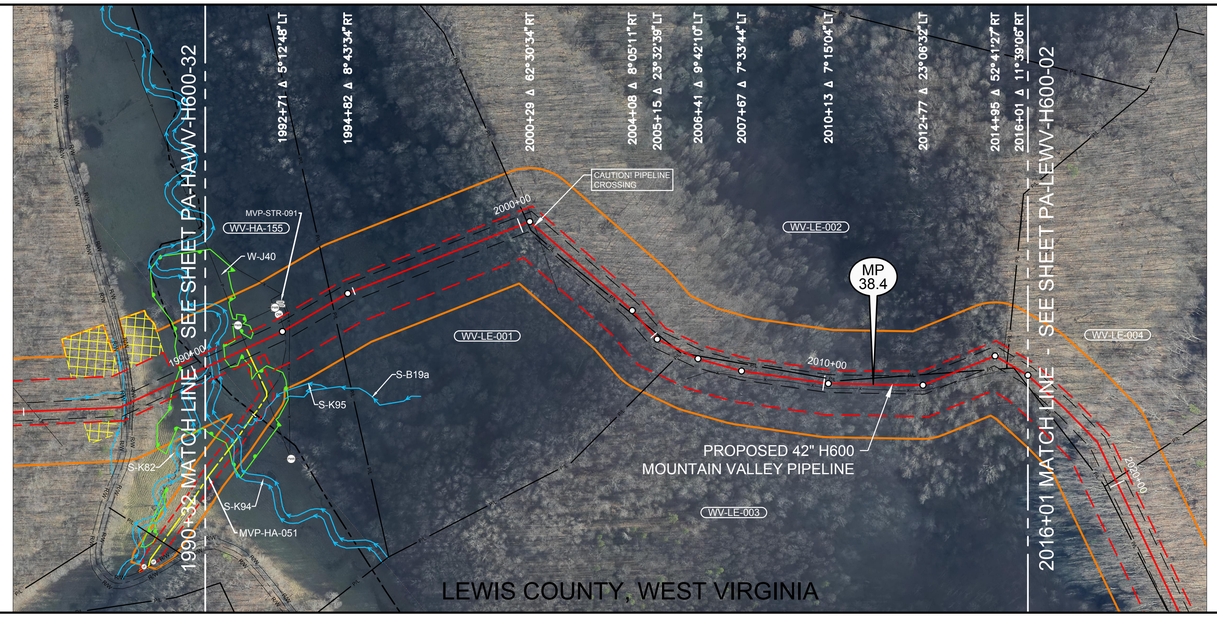
RIGHT-OF-WAY & OWNERSHIP DATA														
		1990+32	WV-HA-155 399 LF 421 SLOPE		1994+31	WV-LE-001 591 LF 644 SLOPE	2000+22	WV-LE-002	WV-LE-001 571 LF 574 SLOPE	2005+93	WV-LE-002	WV-LE-003 941 LF 951 SLOPE	2015+34	WV-LE-004	WV-LE-003 67 LF 68 SLOPE	2016+01
DESIGN	PIPE / COATING	1990+32	1	1990+39 4	1990+79	1										2016+01
DESIGN	SLOPE DISTANCE		7'	40'		2611'										
DESIGN	CLASS LOCATION / HCA					1										
ENVIRONMENTAL	CONSTRUCTION EXCLUSION	1990+32	TIME OF YEAR RESTRICTION: NO TREE CLEARING APRIL 1ST TO JULY 31ST													2016+01
ENVIRONMENTAL	WETLAND / STREAM		W-J40 112 LF	S-K82 6 LF	S-K94 21 LF	W-J40 24 LF										
ENVIRONMENTAL	.															
ENVIRONMENTAL	.															

PLAN VIEW

0' 100' 200' 400'



AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

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
- PL PROPERTY LINE
- R/W 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

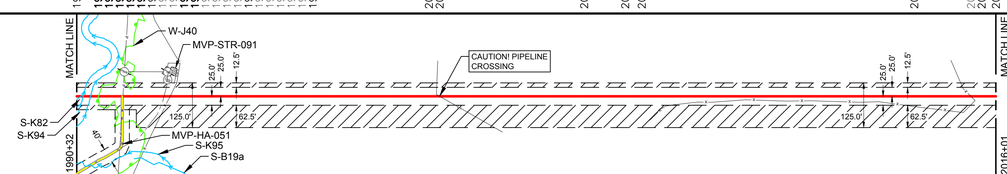
DRAWING NO.	DESCRIPTION
MVP-AR-H600-02	ACCESS ROADS, ANCILLARY SITES, MAINLINE VALVES & LAUNCHER/RECEIVER SITES

HORIZONTAL STATIONING

1990+32 MATCH LINE, END HARRISON COUNTY, BEGIN LEWIS COUNTY
1990+44 STREAM BANK(S--K82)
1990+50 STREAM BANK(S--K94)
1990+71 STREAM BANK(S--K94)
1991+44 END WETLAND(W--J40)38'RT
1991+49 ACCESS RD--TEMPORARY(MVP--HA--051)
1991+62 OHP LINE
1991+65 POWER POLE 68'LT
1991+66 POWER POLE 64'LT
1991+70 BEGIN WETLAND(W--J40)38'RT
1991+94 END WETLAND(W--J40)30'LT
1992+72 EDGE OF DIRT
1992+76 ℄ TRAIL(DIRT)
1992+84 DERRICK - OIL 41'LT
1992+86 WELL - OIL 46'LT
1992+86 POWER POLE 68'LT
1992+87 METER - ELECTRIC
1993+04 ELEC - ELECTRIC
1993+04 TANK - STORAGE 64'LT
1993+07 TANK - STORAGE 74'LT
1994+31 PROPERTY LINE
2000+22 PROPERTY LINE
2000+47 30"(DOMINION)PIPELINE
2004+51 PROPERTY LINE
2005+65 PROPERTY LINE
2006+12 PROPERTY LINE
2013+73 PROPERTY LINE
2015+32 FENCE - BARBED WIRE
2015+34 PROPERTY LINE
2016+01 MATCH LINE

WORK SPACE

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



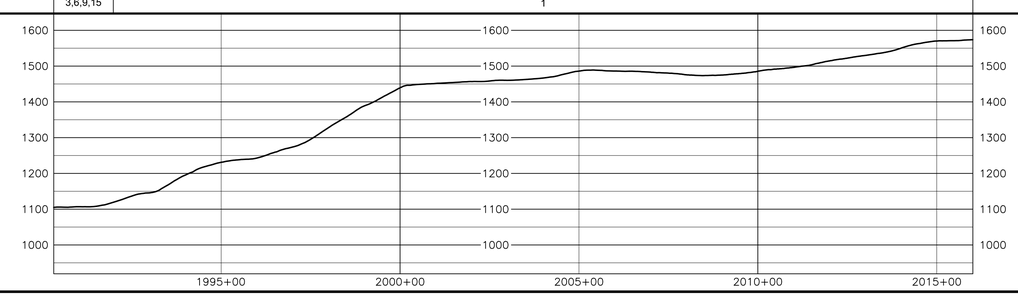
CONSTRUCTION METHOD

3,6,9,15 | 1

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W WORKING SIDE RIGHT
1.1 - TYPICAL R/W WORKING SIDE RIGHT
2 - TYPICAL R/W WORKING SIDE LEFT
2.1 - TYPICAL R/W WORKING SIDE LEFT
3 - TYPICAL WETLAND X-ING
4 - ROAD X-ING - BORE
5 - RAILROAD X-ING - BORE
6 - WATERBODY X-ING OPEN CUT - FLUME
7 - PARALLEL TO POWER LINE
8 - RIDGE CONSTRUCTION
9 - WATERBODY X-ING OPEN CUT - WET DITCH
10 - HDD ENTRY PLAN
11 - HDD EXIT PLAN
12 - HDD CONSTRUCTION
13 - PARALLEL TO POWER LINE
14 - PARALLEL TO POWER LINE
15 - WATERBODY X-ING OPEN CUT DRY/DAM & PUMP
33 - SIDE HILL CONSTRUCTION
34 - 2-TONE SIDE HILL CONSTRUCTION

PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0 ISSUED TO FERC
1	HEI	01-11-16	FERC DATA REQUEST No.1
2	HEI	04-14-16	FERC DATA REQUEST No.2
3	HEI	09-03-16	REV. 1.1 ISSUED TO FERC
4	HEI	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
	2618	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
3	RRR	09-03-16

APPROVED FOR FERC		
REV.	BY	DATE
0	RRR	10-15-15
4	RRR	10-14-16

Mountain Valley PIPELINE

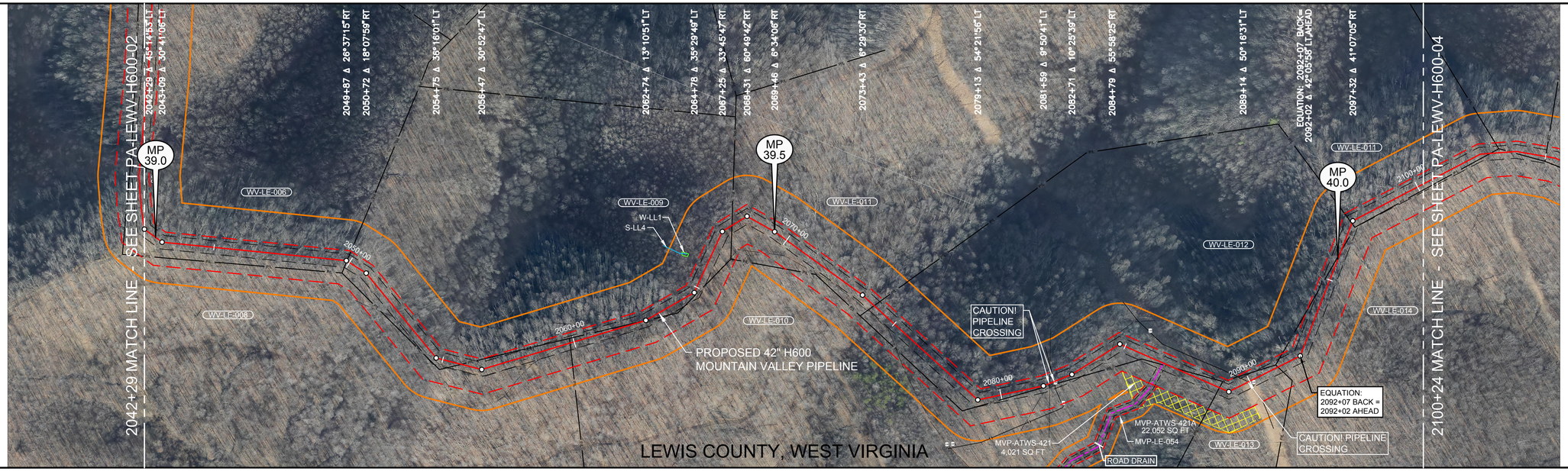
PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
FREEMANS DIST., LEWIS CO.,W.V.
STA. 1990+32 TO STA. 2016+01

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-LEWV-H600 -01
SHEET 43 OF 329	REV. 4
DATE OF PLOT: 10/10/16 5:47 PM	

| RIGHT-OF-WAY & OWNERSHIP DATA | | |

RIGHT-OF-WAY & OWNERSHIP DATA		
	2042+29	WV-LE-006 — 62 LF 63 SLOPE
	2042+91	WV-LE-008 — 698 LF 703 SLOPE
	2049+89	WV-LE-009 — 996 LF 1003 SLOPE
	2059+85	WV-LE-009 — 720 LF 724 SLOPE
	2067+05	WV-LE-011 / WV-LE-009 — 18 LF 18 SLOPE
	2067+23	WV-LE-011 / WV-LE-010 — 64 LF 65 SLOPE
	2067+87	WV-LE-011 — 271 LF 275 SLOPE
	2070+58	WV-LE-011 / WV-LE-010 — 342 LF 346 SLOPE
	2074+00	WV-LE-012 — 1476 LF 1497 SLOPE
	2088+76	WV-LE-012 / WV-LE-013 — 235 LF 236 SLOPE
	2091+11	WV-LE-014 / WV-LE-012 / WV-LE-013 — 36 LF 36 SLOPE
	2091+47	WV-LE-014 — 221 LF 228 SLOPE
	2093+64	WV-LE-012 / WV-LE-014 — 359 LF 363 SLOPE
	2097+23	WV-LE-011 / WV-LE-014 — 301 LF 304 SLOPE
	2100+24	
DESIGN — PIPE / COATING	2042+29	1 — EQUATION: 2092+07 BK= 2092+02 AHD — 2100+24
DESIGN — SLOPE DISTANCE		5866'
DESIGN — CLASS LOCATION / HCA		1
ENVIRONMENTAL — CONSTRUCTION EXCLUSION	2042+29	TIME OF YEAR RESTRICTION: NO TREE CLEARING APRIL 1ST TO JULY 31ST — 2100+24
ENVIRONMENTAL — WETLAND / STREAM		
ENVIRONMENTAL — .		
ENVIRONMENTAL — .		



OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

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
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- C/L RAILROAD
- DELINEATED STREAM
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- PROPOSED TEST STATION
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- LINE MARKER - VENT PIPE
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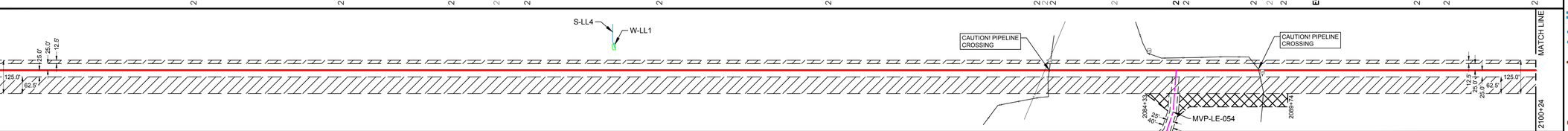
- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- LIMITS OF DISTURBANCE

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION
MVP-AR-H600-02	ACCESS ROADS, ANCILLARY SITES, MAINLINE VALVES & LAUNCHER/RECEIVER SITES
MVP-QDAR-H600-14	ACCESS ROAD DETAIL MAP

HORIZONTAL STATIONING



WORK SPACE

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

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W WORKING SIDE RIGHT
1.1 - TYPICAL R/W WORKING SIDE RIGHT
2 - TYPICAL R/W WORKING SIDE LEFT
2.1 - TYPICAL R/W WORKING SIDE LEFT
3 - TYPICAL WETLAND X-ING
4 - ROAD X-ING - BORE
5 - RAILROAD X-ING - BORE
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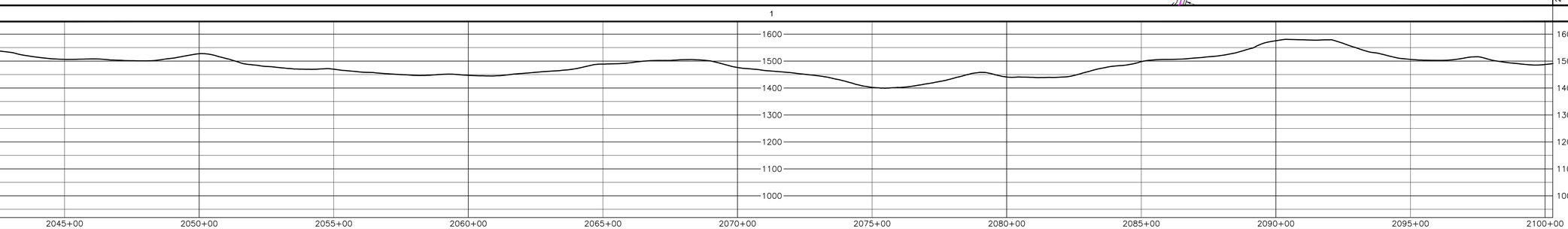
33 - SIDE HILL CONSTRUCTION
34 - 2-TONE SIDE HILL CONSTRUCTION

PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0 ISSUED TO FERC
1	HEI	01-11-16	FERC DATA REQUEST No.1
2	HEI	04-14-16	FERC DATA REQUEST No.2
3	HEI	09-03-16	REV. 4.1 ISSUED TO FERC
4	HEI	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5866	42"O.D. X 0.617"W.T. X70 FBE 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
3	RRR	09-03-16

APPROVED FOR FERC		
REV.	BY	DATE
0	RRR	10-15-15
4	RRR	10-14-16

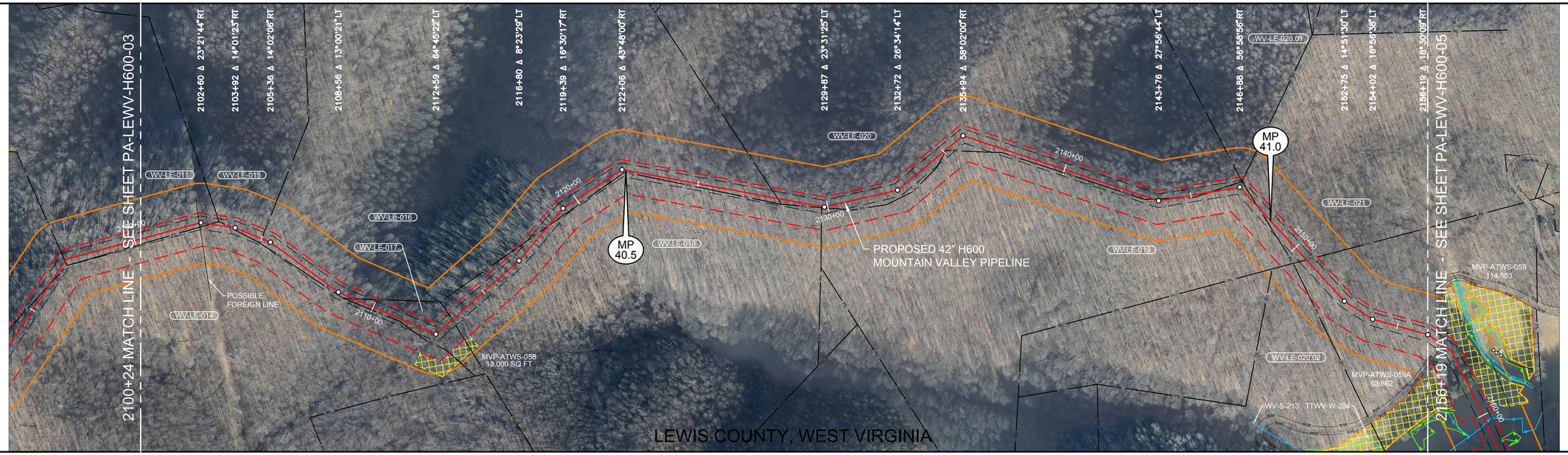
Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
FREEMANS DIST., LEWIS CO.,W.V.
STA. 2042+29 TO STA. 2100+24

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-LEWV-H600 -03
SHEET 45 OF 329	REV. 4
DATE OF PLOT:	10/10/16 5:48 PM

RIGHT-OF-WAY & OWNERSHIP DATA		WV-LE-011 304 LF 305 SLOPE (2100+24–2103+28); WV-LE-014 173 LF 173 SLOPE (2103+28–2105+01); WV-LE-015 382 LF 386 SLOPE (2105+01–2108+63); WV-LE-016 132 LF 133 SLOPE (2108+63–2110+15); WV-LE-017 271 LF 275 SLOPE (2110+15–2112+86); WV-LE-017 55 LF 56 SLOPE (2112+86–2113+41); WV-LE-018 369 LF 373 SLOPE (2113+41–2117+10); WV-LE-018 1061 LF 1065 SLOPE (2117+10–2127+71); WV-LE-020 WV-LE-016 54 LF 55 SLOPE (2127+71–2128+25); WV-LE-020 WV-LE-018 151 LF 151 SLOPE (2128+25–2129+76); WV-LE-020 1697 LF 1713 SLOPE (2129+76–2146+73); WV-LE-020.01 WV-LE-020 18 LF 18 SLOPE (2146+73–2146+91); WV-LE-021 WV-LE-019 325 LF 335 SLOPE (2146+91–2150+16); WV-LE-021 WV-LE-019 WV-LE-020.02 22 LF 22 SLOPE (2150+16–2150+38); WV-LE-022 WV-LE-021 WV-LE-020.02 44 LF 44 SLOPE (2150+38–2150+82); WV-LE-022 WV-LE-020.02 96 LF 100 SLOPE (2150+82–2151+78); WV-LE-022 441 LF 463 SLOPE (2151+78–2156+19)
DESIGN — PIPE / COATING	2100+24	1 (2100+24–2156+19)
DESIGN — SLOPE DISTANCE		5668'
DESIGN — CLASS LOCATION / HCA		1
ENVIRONMENTAL — CONSTRUCTION EXCLUSION	2100+24	TIME OF YEAR RESTRICTION: NO TREE CLEARING APRIL 1ST TO JULY 31ST (2100+24–2156+19)
ENVIRONMENTAL — WETLAND / STREAM		
ENVIRONMENTAL — .		
ENVIRONMENTAL — .		



AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

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
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- MH - SANITARY/WATER
- CATCH BASIN - CULVERT
- ADDITIONAL TEMPORARY WORK SPACE(ATWS)
- ABOVE GROUND FACILITY
- LIMITS OF DISTURBANCE

REFERENCE DRAWINGS

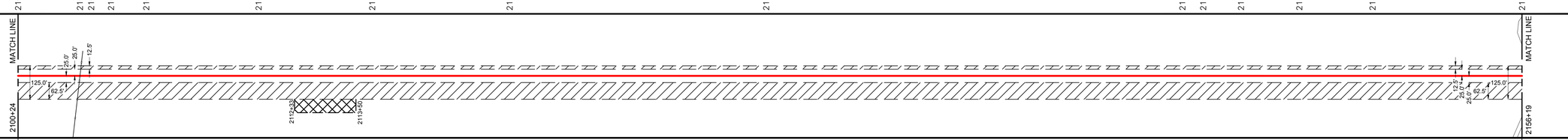
DRAWING NO.	DESCRIPTION
MVP-AR-H600-02	ACCESS ROADS, ANCILLARY SITES, MAINLINE VALVES & LAUNCHER/RECEIVER SITES

HORIZONTAL STATIONING

2100+24 MATCH LINE; 2102+54 PIPELINE – FOREIGN–UNKNOWN; 2102+96 PROPERTY LINE; 2103+69 PROPERTY LINE; 2105+01 PROPERTY LINE; 2109+19 PROPERTY LINE; 2113+41 PROPERTY LINE; 2118+52 PROPERTY LINE; 2128+07 PROPERTY LINE; 2143+55 PROPERTY LINE; 2144+33 PROPERTY LINE; 2145+73 PROPERTY LINE; 2147+90 PROPERTY LINE; 2150+63 PROPERTY LINE; 2156+19 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 WORKING SIDE RIGHT
1.1 - TYPICAL R/W WORKING SIDE RIGHT
2 - TYPICAL R/W WORKING SIDE LEFT
2.1 - TYPICAL R/W WORKING SIDE LEFT
3 - TYPICAL WETLAND X-ING
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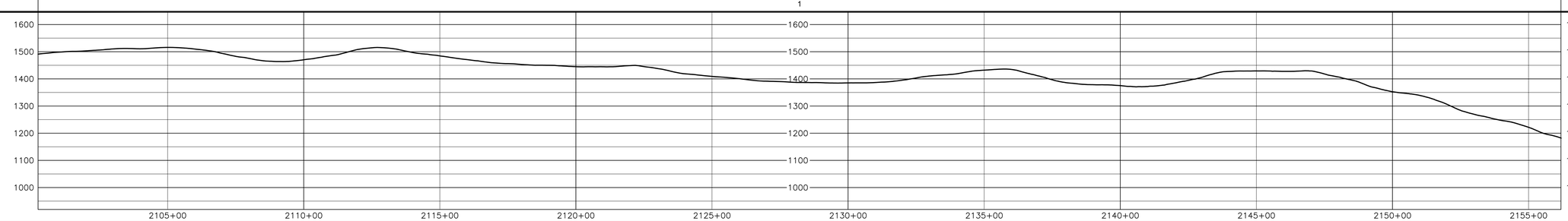
PROFILE



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REVISIONS

REV.	BY	DATE	DESCRIPTION
0	RRR	10-15-15	REV. 4.0 ISSUED TO FERC
1	HEI	01-11-16	FERC DATA REQUEST No.1
2	HEI	04-14-16	FERC DATA REQUEST No.2
3	HEI	09-02-16	REV. 4.1 ISSUED TO FERC
4	HEI	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5668	42"O.D. X 0.617"W.T. X-65 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
3	RRR	09-02-16

APPROVED FOR FERC		
REV.	BY	DATE
0	RRR	10-15-15
4	RRR	10-14-16

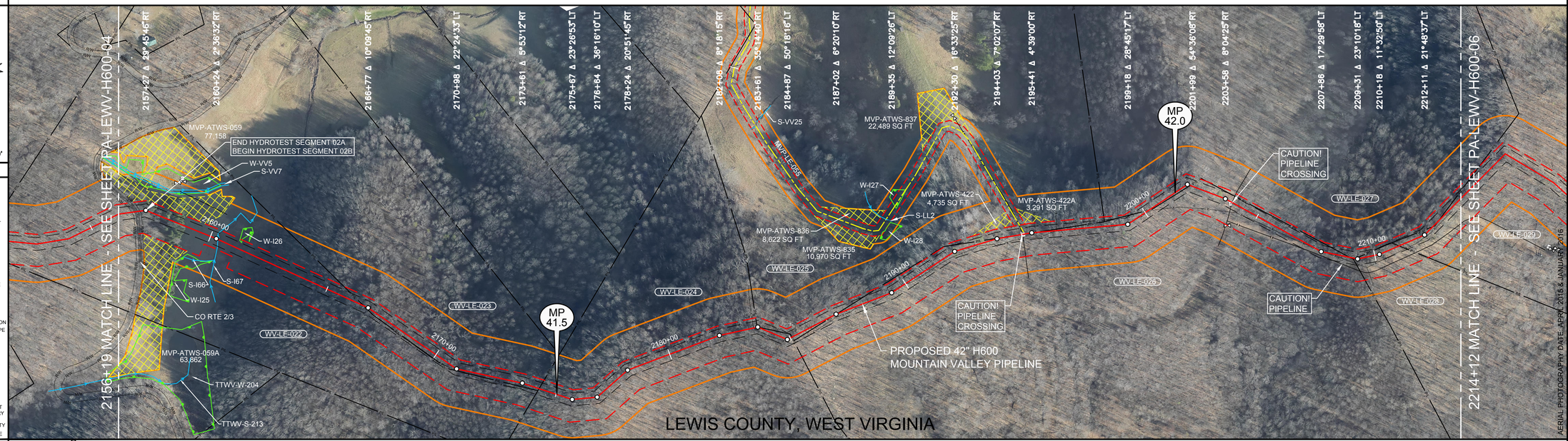
Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
FREEMANS DIST., LEWIS CO.,W.V.
STA. 2100+24 TO STA. 2156+19

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-LEWV-H600 -04
SHEET 46 OF 329	REV. 4
DATE OF PLOT:	10/10/16 5:48 PM

RIGHT-OF-WAY & OWNERSHIP DATA		2156+19; WV-LE-022: 52 LF, 55 SLOPE; 2156+71; 2156+77 Δ 10°09'45" RT; 2157+42 Δ 20°45'46" RT; 2157+84; WV-LE-022: 851 LF, 895 SLOPE; 2160+31 Δ 2°38'32" RT; 2165+55; WV-LE-023; WV-LE-022: 875 LF, 898 SLOPE; 2174+30; WV-LE-024: 929 LF, 940 SLOPE; 2183+59; WV-LE-025; WV-LE-024: 148 LF, 149 SLOPE; 2185+07; WV-LE-025; WV-LE-026: 388 LF, 399 SLOPE; 2188+95; WV-LE-026: 314 LF, 321 SLOPE; 2192+09; WV-LE-028; WV-LE-028: 619 LF, 633 SLOPE; 2198+28; WV-LE-027; WV-LE-028: 1086 LF, 1112 SLOPE; 2220+14; WV-LE-029; WV-LE-028: 29 LF, 29 SLOPE; WV-LE-029; WV-LE-028: 137 LF, 138 SLOPE; 2210+00; WV-LE-027; WV-LE-029: 108 LF, 110 SLOPE; 2211+08; WV-LE-027; WV-LE-029: 224 LF, 228 SLOPE; 2214+12
DESIGN — PIPE / COATING		2156+19; 1; 2156+68; 4; 2157+08; 1; 2160+11; 6; 2160+51; 1; 2214+12
DESIGN — SLOPE DISTANCE		52'; 40'; 309'; 40'; 5500'
DESIGN — CLASS LOCATION / HCA		1
ENVIRONMENTAL — CONSTRUCTION EXCLUSION		2156+19; TIME OF YEAR RESTRICTION: NO TREE CLEARING APRIL 1ST TO JULY 31ST; 2214+12
ENVIRONMENTAL — WETLAND / STREAM		S-I67, 8 LF; W-I26, 11 LF
ENVIRONMENTAL — .		
ENVIRONMENTAL — .		



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
- ROW 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

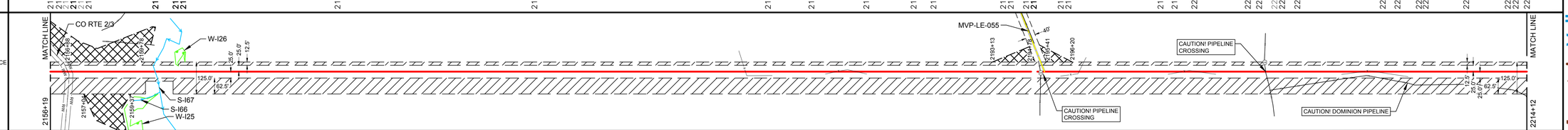
DRAWING NO.	DESCRIPTION
MVP-AR-H600-03	ACCESS ROADS, ANCILLARY SITES, MAINLINE VALVES & LAUNCHER/RECEIVER SITES
MVP-QDAR-H600-14	ACCESS ROAD DETAIL MAP

HORIZONTAL STATIONING

2156+19 MATCH LINE; 2156+71 RIGHT-OF-WAY; 2156+77 EDGE OF PAVEMENT; 2156+88 ℄ CO RTE 2/3 - SMOKE CAMP RUN ROAD; 2157+04 RIGHT-OF-WAY; 2160+31 ℄ STREAM(S-I67); 2161+10 BEGIN WETLAND(W-I28)38'LT; 2161+21 END WETLAND(W-I26)29'LT; 2166+57 PROPERTY LINE; 2174+30 PROPERTY LINE; 2183+46 FENCE - WIRE; 2185+07 PROPERTY LINE; 2187+02 PROPERTY LINE; 2189+18 FENCE - WIRE; 2189+96 FENCE - WIRE; 2195+01 PROPERTY LINE; 2195+04 PIPELINE - FOREIGN - TL-296(DOMINION); 2195+06 LINE MARKER 17'RT; 2195+13 ACCESS RD - TEMPORARY (MVP-LE-055); 2195+50 PROPERTY LINE; 2196+38 FENCE - BARBED WIRE; 2198+86 FENCE - WIRE; 2199+41 FENCE - WIRE; 2200+19 PROPERTY LINE; 2202+11 PROPERTY LINE; 2203+88 PIPELINE-FOREIGN-H-19456/1(DOMINION); 2203+92 LINE MARKER 21'RT; 2204+12 VALVE - GAS 87'RT; 2204+16 VALVE - GAS 87'RT; 2207+58 FENCE - WIRE; 2208+05 FENCE - WIRE; 2209+00 PROPERTY LINE; 2209+23 PROPERTY LINE; 2211+02 PROPERTY LINE; 2212+56 PROPERTY LINE; 2212+87 PROPERTY LINE; 2214+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)



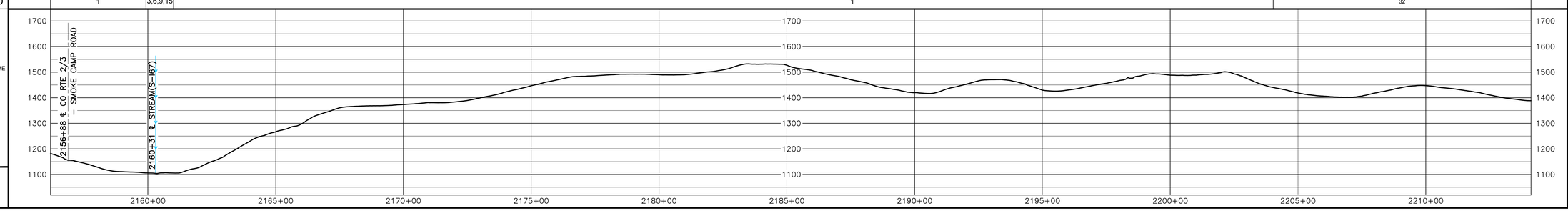
CONSTRUCTION METHOD

1; 3,6,9,15; 1; 32

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W WORKING SIDE RIGHT
1.1 - TYPICAL R/W WORKING SIDE RIGHT
2 - TYPICAL R/W WORKING SIDE LEFT
2.1 - TYPICAL R/W WORKING SIDE LEFT
3 - TYPICAL WETLAND X-ING
4 - ROAD X-ING - BORE
5 - RAILROAD X-ING - BORE
6 - WATERBODY X-ING OPEN CUT - FLUME
7 - PARALLEL TO POWER LINE
8 - RIDGE CONSTRUCTION
9 - WATERBODY X-ING OPEN CUT - WET DITCH
10 - HDD ENTRY PLAN
11 - HDD EXIT PLAN
12 - HDD CONSTRUCTION
13 - PARALLEL TO POWER LINE
14 - PARALLEL TO POWER LINE
15 - WATERBODY X-ING OPEN CUT DRY/DAM & PUMP
33 - SIDE HILL CONSTRUCTION
34 - 2-TONE SIDE HILL CONSTRUCTION

PROFILE



OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	981	42"O.D. X 0.617"W.T. X70 FBE BONDED EPOXY
4	40	42"O.D. X 0.740"W.T. X70 FBE & ARO
6	40	42"O.D. X 0.917"W.T. X70 FBE & ARO
		42"O.D. X 0.917"W.T. X70 FBE & ARO
		TYPE 4 TEST STATION - FOREIGN CROSSING

REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0.0 ISSUED TO FERC
1	HEI	01-11-16	FERC DATA REQUEST No.1
2	HEI	04-14-16	FERC DATA REQUEST No.2
3	HEI	09-02-16	FERC DATA REQUEST No.3
4	HEI	10-14-16	OCTOBER 2016 PROPOSED ROUTE - ISSUED TO FERC

APPROVED FOR BIDDING			
REV.	BY	DATE	
3	RRR	09-02-16	

APPROVED FOR CONSTRUCTION			
REV.	BY	DATE	
-	-	-	

APPROVED FOR FERC			
REV.	BY	DATE	
0	RRR	10-15-15	
4	RRR	10-14-16	

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Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
FREEMANS DIST., LEWIS CO.,W.V.
STA. 2156+19 TO STA. 2214+12

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-LEWV-H600 -05
SHEET 47 OF 329	REV. 4
DATE OF PLOT:	10/10/16 5:49 PM