RIGHT-OF-WAY & OWNERSHIP DATA

Station range	Tract	Length
2766+82 – 2767+69	WV-LE-082 / WV-LE-081	87 LF, 87 SLOPE
2767+69 – 2769+78	WV-LE-081	209 LF, 210 SLOPE
2769+78 – 2770+00	COUNTY ROUTE 17/2 / WV-LE-081	22 LF, 22 SLOPE
2770+00 – 2771+55	WV-LE-083 / COUNTY ROUTE 17/2 / WV-LE-081	155 LF, 157 SLOPE
2771+55 – 2773+42	WV-LE-083 / COUNTY ROUTE 17/2	187 LF, 187 SLOPE
2773+42 – 2774+01	WV-LE-083 / WV-LE-084 / COUNTY ROUTE 17/2	59 LF, 59 SLOPE
2774+01 – 2778+96	WV-LE-084 / COUNTY ROUTE 20/5	495 LF, 505 SLOPE
2778+96 – 2779+43	WV-LE-084	47 LF, 48 SLOPE
2779+43 – 2780+69	WV-LE-084 / WV-LE-081	126 LF, 128 SLOPE
2780+69 – 2783+25	WV-LE-085	256 LF, 266 SLOPE
2783+25 – 2783+57	COUNTY ROUTE 17/2	32 LF - 32 SLOPE
2783+57 – 2785+24	WV-LE-085	167 LF, 171 SLOPE
2785+24 – 2787+95	COUNTY RTE 17/2 ROCK RUN ROAD / WV-LE-085	271 LF, 273 SLOPE
2787+95 – 2788+96	WV-LE-085	101 LF, 101 SLOPE
2788+96 – 2795+01	WV-LE-088 / WV-LE-085	605 LF, 606 SLOPE
2795+01 – 2800+22	WV-LE-089 / WV-LE-085	521 LF, 528 SLOPE
2800+22 – 2800+85	WV-LE-089 / WV-LE-090 / WV-LE-085	63 LF, 64 SLOPE
2800+85 – 2803+15	WV-LE-089 / WV-LE-090	230 LF, 232 SLOPE
2803+15 – 2803+53	WV-LE-091 / WV-LE-089 / WV-LE-090	38 LF, 38 SLOPE
2803+53 – 2813+79	WV-LE-091 / WV-LE-090	1026 LF, 1043 SLOPE
2813+79 – 2817+01	WV-LE-092 / WV-LE-090	322 LF, 323 SLOPE
2817+01 – 2820+47	WV-LE-090	346 LF, 352 SLOPE
2820+47 – 2824+88	WV-LE-093 / WV-LE-090	441 LF, 451 SLOPE

DESIGN

PIPE / COATING	Station range	Value
	2766+82 – 2769+89	1
	2769+89 – 2770+69	4
	2770+69 – 2777+55	1
	2777+55 – 2778+35	4
	2778+35 – 2783+21	1
	2783+21 – 2783+65	4
	2783+65 – 2824+88	1

SLOPE DISTANCE: 309' | 80' | 697' | 80' | 499' | 40' | 4138'

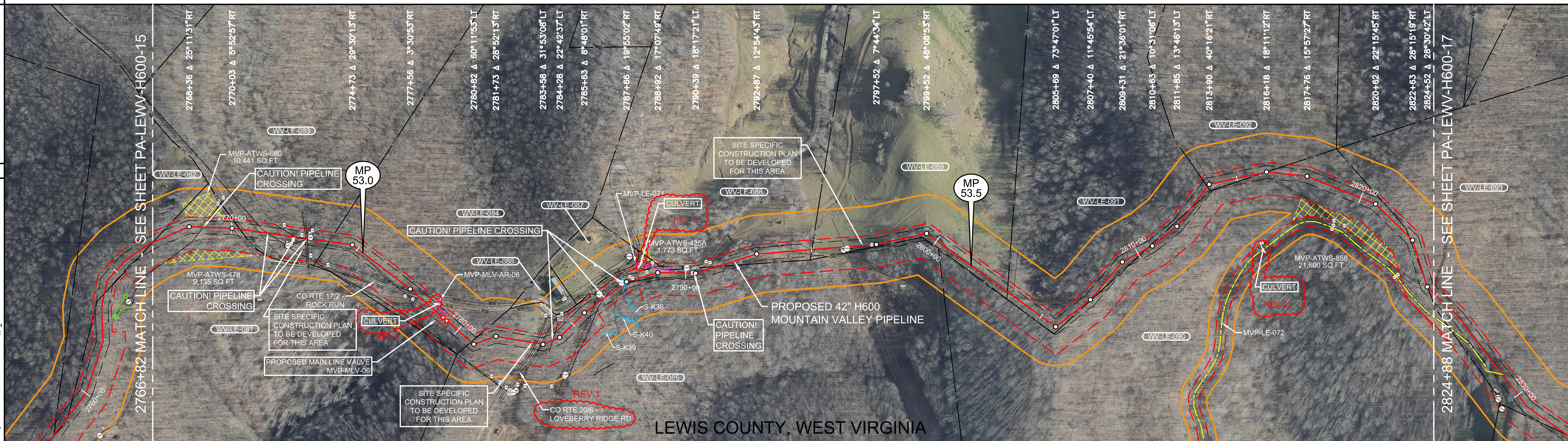
CLASS LOCATION / HCA: 1

ENVIRONMENTAL

CONSTRUCTION EXCLUSION

WETLAND / STREAM: S-K38 – 5 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
- 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

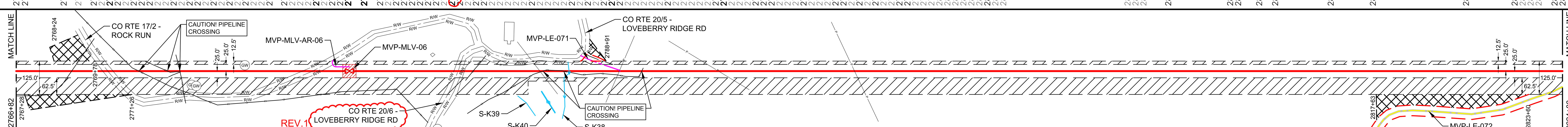
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

2766+82 MATCH LINE
2766+82 PROPERTY LINE
2768+90 PIPELINE – FOREIGN – DOMINION
2769+45 LINE MARKER 78'LT
2770+07 RIGHT–OF–WAY
2770+22 EDGE OF GRAVEL
2770+29 ℄ CO RTE 17/2 – ROCK RUN
2770+33 PROPERTY LINE
2770+37 EDGE OF GRAVEL
2770+50 RIGHT–OF–WAY
2771+06 (DOMINION)PIPELINE
2771+43 PIPELINE – FOREIGN – DOMINION
2771+89 ℄ FIELD ROAD(DIRT)
2772+03 LINE MARKER 25'LT
2772+25 VALVE – GAS 40'RT
2772+26 LINE MARKER 43'RT
2772+27 WELL – GAS 37'RT
2772+34 WELL – GAS 32'RT
2772+46 LINE MARKER 27'RT
2772+50 PIPELINE – FOREIGN – CONSOL
2772+77 LINE MARKER 4'RT
2772+96 PIPELINE – 6"W1901(EQT)
2773+07 LINE MARKER 6'LT
2773+09 WELL – GAS 6'LT
2773+15 LINE MARKER 18'LT
2773+22 LINE MARKER 78'RT
2773+83 PROPERTY LINE
2777+57 RIGHT–OF–WAY
2777+59 GATE POST 33'RT
2777+74 EDGE OF GRAVEL
2777+89 GATE POST 23'RT
2777+95 ℄ CO RTE 17/2 – ROCK RUN
2778+13 EDGE OF GRAVEL
2778+27 RIGHT–OF–WAY
2778+57 FENCE – WIRE
2779+34 MAIN LINE VALVE – PROPOSED (MVP–MLV–06)
2779+34 ACCESS RD–PERMANENT (MVP–MLV–AR–06)16'LT
2780+69 PROPERTY LINE
2782+45 BUILDING – UNKNOWN 54'LT
2782+60 WELL – UNKNOWN 207'RT
2782+64 WELL – UNKNOWN 200'RT
2782+69 WELL – UNKNOWN 206'RT
2782+75 WELL – UNKNOWN 203'RT
2782+85 WELL – GAS 194'RT
2783+25 RIGHT–OF–WAY
2783+32 EDGE OF GRAVEL
2783+41 ℄ CO RTE 20/6–LOVEBERRY RIDGE RD REV.1
2783+49 OHP LINE
2783+50 EDGE OF GRAVEL
2783+57 RIGHT–OF–WAY
2783+98 PIPELINE – FOREIGN – UNKNOWN
2784+04 LINE MARKER 85'LT
2784+64 CULVERT 58'LT
2784+83 PEDESTAL – TELEPHONE 51'LT
2784+88 LINE MARKER 48'LT
2785+55 BUILDING – UNKNOWN 104'LT
2786+11 OHP LINE
2786+19 GUY ANCHOR 13'LT
2786+46 GUY ANCHOR 38'LT
2786+51 POWER POLE 23'LT
2786+52 PEDESTAL – TELEPHONE 23'LT
2786+60 PIPELINE – FOREIGN – UNKNOWN
2787+31 LINE MARKER 8'LT
2787+48 METER – ELECTRIC 8'LT
2787+48 POWER POLE 8'LT
2787+52 PIPELINE – FOREIGN – UNKNOWN
2787+58 ℄ STREAM(S–K38)
2787+63 OHP LINE
2787+64 CULVERT 38'LT
2787+66 CULVERT 61'LT
2787+84 GATE POST 16'LT
2787+89 CULVERT 64'LT
2787+92 GATE POST 6'LT
2788+03 PROPERTY CORNER 77'LT
2788+20 CULVERT 82'LT
2788+52 GATE POST 14'LT
2788+63 GATE POST 22'LT
2788+74 GATE POST 34'LT
2788+83 GATE POST 43'LT
2788+99 OHP LINE
2789+54 ACCESS RD – PERMANENT(MVP–LE–071)
2790+04 POWER POLE 20'LT
2790+23 BUILDING – UNKNOWN 16'LT
2790+27 LINE MARKER 15'RT
2790+29 TANK – UNKNOWN 19'LT
2790+33 PIPELINE – FOREIGN – UNKNOWN
2790+46 TANK – UNKNOWN 21'LT
2790+89 ℄ SERVICE ROAD(DIRT)
2790+91 GATE POST 31'LT
2791+05 GATE POST 23'LT
2791+27 PROPERTY LINE
2792+10 CULVERT 77'LT
2793+83 ℄ FIELD ROAD(DIRT)
2794+14 ℄ FIELD ROAD(DIRT)
2795+01 PROPERTY LINE
2795+02 FENCE – BARBED WIRE
2796+24 POWER POLE 11'RT
2796+29 OHP LINE
2796+38 POWER POLE 6'RT
2797+30 FENCE – BARBED WIRE
2797+34 GATE POST 1'LT
2797+50 GATE POST 1'LT
2798+00 FENCE – BARBED WIRE
2799+34 FENCE – BARBED WIRE
2799+52 EDGE OF DIRT
2799+57 ℄ FIELD ROAD(DIRT)
2799+66 EDGE OF DIRT
2800+15 EDGE OF DIRT
2800+24 ℄ FIELD ROAD(DIRT)
2800+34 EDGE OF DIRT
2801+82 EDGE OF DIRT
2802+15 EDGE OF DIRT
2803+00 EDGE OF DIRT
2803+38 PROPERTY LINE
2803+49 ℄ FIELD ROAD(DIRT)
2803+63 EDGE OF DIRT
2807+54 EDGE OF DIRT
2807+60 ℄ FIELD ROAD(DIRT)
2807+71 EDGE OF DIRT
2810+38 PROPERTY LINE
2812+70 PROPERTY LINE
2812+77 FENCE – WIRE
2813+79 PROPERTY LINE
2813+93 FENCE – WIRE
2816+18 PROPERTY LINE
2817+87 PROPERTY CORNER 9'RT
2822+44 PROPERTY LINE
2824+27 PROPERTY LINE
2824+38 EDGE OF DIRT
2824+42 ℄ FIELD ROAD(DIRT)
2824+46 EDGE OF DIRT
2824+55 PROPERTY LINE
2824+88 MATCH LINE

WORK SPACE

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



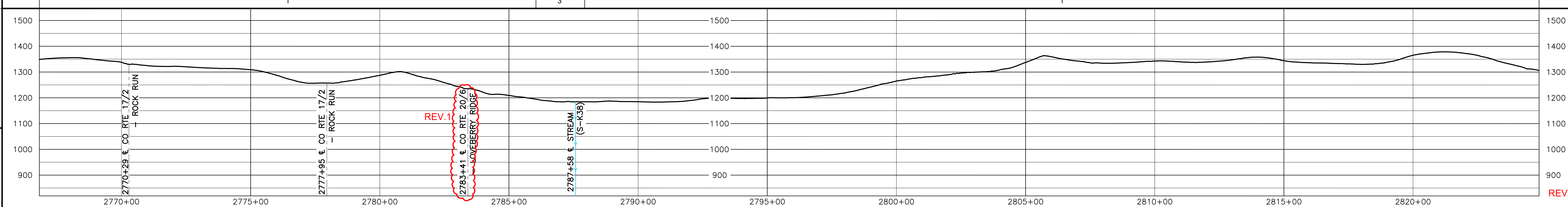
CONSTRUCTION METHOD

1 | 3 | 1

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



HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2, Holland, Michigan 49423-3766, T 616-392-5938 F 616-392-2116
26555 Evergreen Rd. Suite. 430, Southfield, Michigan 48076, T 248-827-7322 F 248-827-7549
www.hollandengineering.com

REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-15-15	REV. 4.0.0 ISSUED TO FERC
1	HEI	01-06-16	FERC DATA REQUEST 21 - CHANGED ROAD NAME AND REVISED SHEET NUMBER FROM 56 OF 326 TO 57 OF 326
2	HEI	04-12-16	FERC DATA REQUEST No.2

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	5683	42"O.D. X 0.617"W.T., X-70, FUSION BONDED EPOXY
4	200	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
COURT DIST., LEWIS CO., W.V.
STA. 2766+82 TO STA. 2824+88

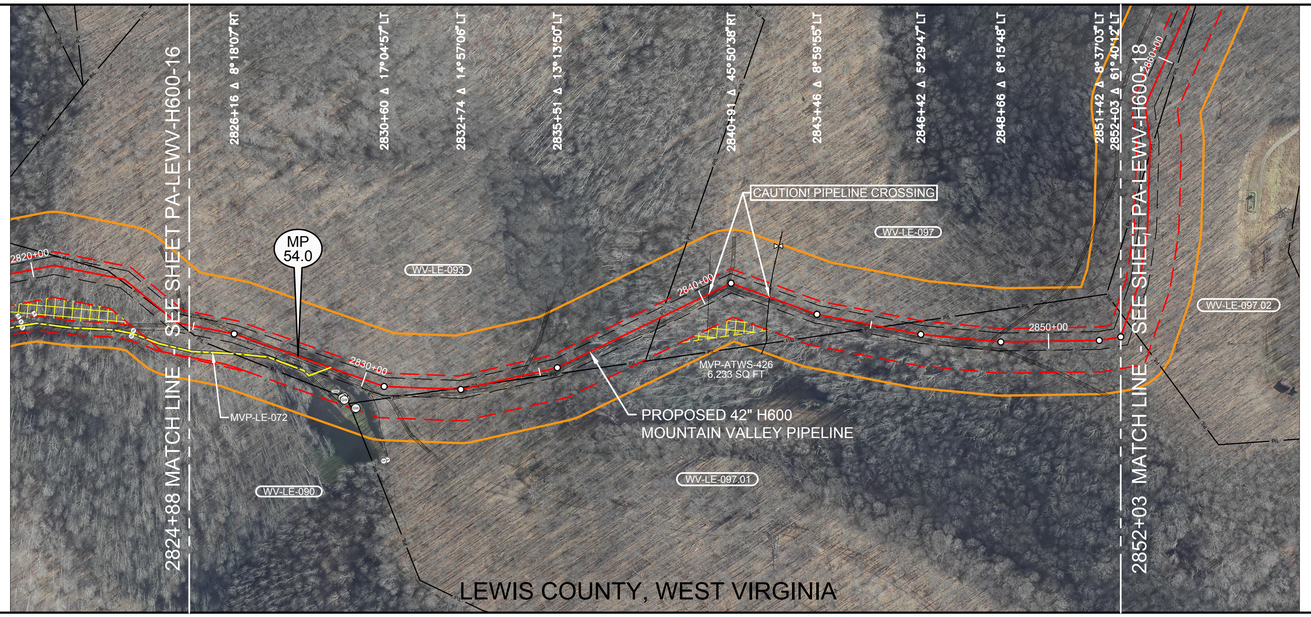
HORZ. SCALE: 1" = 200'	
DRAWN BY: HEI(DRF)	02/17/15
DRAFTING CK:	.
ENGINEERING CK:	.
CONSTRUCTION CK:	.
ENVIRONMENTAL CK:.	.
AFE/P.O.NO.:	
HEI PROJECT NO.: 14-10-052	
DRAWING NO.: PA-LEWV-H600 -16	
SHEET 57 OF 326	REV. 2
DATE OF PLOT: 04/19/16 10:23 AM	

REV.1

RIGHT-OF-WAY & OWNERSHIP DATA

		2824+88	2826+16	2827+21	2827+24	2827+78	2827+95	2829+00	2829+25	2829+63	2829+92	2830+02	2832+45	2833+41	2834+42	2834+47	2834+53	2838+71	2840+21	2840+72	2840+81	2840+87	2842+05	2845+31	2848+38	2848+42	2848+47	2851+77	2852+03
		MATCH LINE	EDGE OF DIRT	FIELD ROAD(DIRT)	FIELD ROAD(DIRT)	FIELD ROAD(DIRT)	FIELD ROAD(DIRT)	ACCESS RD–TEMPORARY(MVP–LE–072)	EDGE OF DIRT	TANK – UNKNOWN 57'RT	WELL – GAS 69'RT	WELL – GAS 65'RT	WELL – GAS 72'RT	WELL – GAS 86'RT	WELL – GAS 80'RT	WELL – GAS 83'RT	WELL – GAS	PROPERTY LINE	(DOMINION)PIPELMNE	EDGE OF DIRT	FIELD ROAD(DIRT)	EDGE OF DIRT	PIPELINE – FOREIGN – DOMINION	PROPERTY LINE	EDGE OF DIRT	TRAIL(DIRT)	EDGE OF DIRT	PROPERTY CORNER 6'RT	MATCH LINE
DESIGN	PIPE / COATING	1																											
	SLOPE DISTANCE	2740'																											
	CLASS LOCATION / HCA	1																											
ENVIRONMENTAL	CONSTRUCTION EXCLUSION																												
	WETLAND / STREAM																												
	.																												
	.																												

WV-LE-093 | 495 LF | 501 SLOPE | WV-LE-090
WV-LE-093 | 9 LF | 9 SLOPE | WV-LE-097.01 | WV-LE-090
WV-LE-093 | 777 LF | 784 SLOPE | WV-LE-097.01
WV-LE-093 | 14 LF | 15 SLOPE
WV-LE-093 | 126 LF | 129 SLOPE | WV-LE-097
WV-LE-097 | 402 LF | 404 SLOPE
WV-LE-097 | 327 LF | 328 SLOPE | WV-LE-097.01
WV-LE-097.01 | 539 LF | 544 SLOPE
WV-LE-097.02 | 26 LF | 26 SLOPE | WV-LE-097.01



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

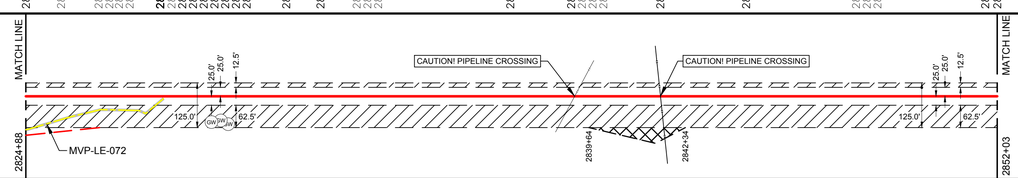
REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

HORIZONTAL STATIONING

WORK SPACE

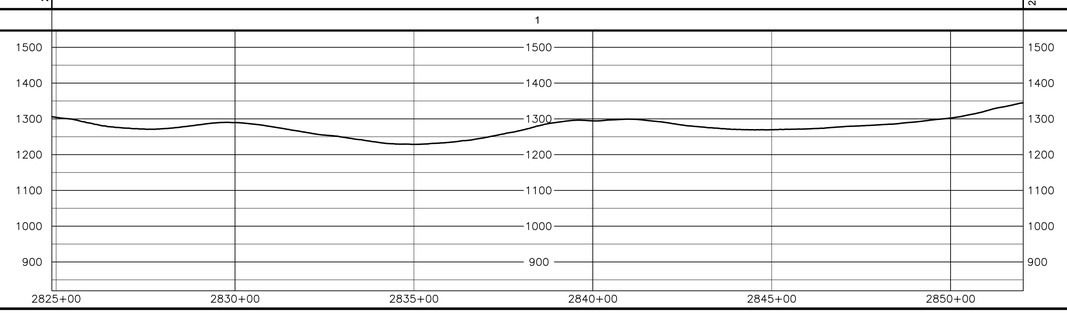
- PROPOSED PIPELINE
- EXISTING PIPELINE
- ACCESS ROAD TEMPORARY WORK SPACE
- PERMANENT EASEMENT
- TEMPORARY WORK SPACE(TWS)
- ADD. TEMPORARY WORK SPACE(ATWS)



CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY
1 - TYPICAL R/W 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



REV 4.0.0 - ISSUED TO FERC

AERIAL PHOTOGRAPHY DATE: APRIL 2015 & JANUARY 2016

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	2740	42"O.D. X 0.617"W.T. X52 FBE BONDED EPOXY
		TYPE 1 TEST STATION - PIPELINE
		TYPE 4 TEST STATION - FOREIGN CROSSING

REVISIONS

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

APPROVED FOR CONSTRUCTION

REV.	BY	DATE
-	-	-

APPROVED FOR BIDDING

REV.	BY	DATE
-	-	-

APPROVED FOR FERC

REV.	BY	DATE
0	HRR	10-15-15

HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2
Holland, Michigan 49423-3786
T 616.366.0585 F 616.842.0727
26895 Evergreen Rd, Suite 430
Southfield, Michigan 48076
T 248.827.7222 F 248.827.7949
www.hollandengineering.com

Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE
COURT DIST., LEWIS CO.,W.V.
STA. 2824+88 TO STA. 2852+03

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 -17**
SHEET 58 OF 326	REV. 0
DATE OF PLOT: 04/19/16 10:24 AM	

RIGHT-OF-WAY & OWNERSHIP DATA

Station	Parcels	Length
2852+03 – 2852+76	WV-LE-097.01 / WV-LE-097.02	73 LF, 74 SLOPE
2852+76 – 2855+88	WV-LE-097.02	312 LF, 313 SLOPE
2855+88 – 2867+20	WV-LE-097 / WV-LE-097.02	1132 LF, 1145 SLOPE
2867+20 – 2867+99	WV-LE-099 / WV-LE-097.03 / WV-LE-097.02	79 LF, 81 SLOPE
2867+99 – 2868+76	WV-LE-099 / WV-LE-097.03	77 LF, 78 SLOPE
2868+76 – 2870+02	WV-LE-097.03	126 LF, 126 SLOPE
2870+02 – 2875+68	WV-LE-097.03 / WV-LE-097.04	566 LF, 573 SLOPE
2875+68 – 2876+58	WV-LE-100 / WV-LE-097.03 / WV-LE-097.04	90 LF, 90 SLOPE
2876+58 – 2879+28	WV-LE-100 / WV-LE-102	270 LF, 279 SLOPE
2879+28 – 2891+65	WV-LE-100 / WV-LE-102	1237 LF, 1306 SLOPE
2891+65 – 2891+96	COUNTY ROUTE 17	31 LF - 31 SLOPE
2891+96 – 2895+94	WV-LE-100 / WV-LE-102	398 LF, 437 SLOPE
2895+94 – 2900+40	WV-LE-100	446 LF, 483 SLOPE
2900+40 – 2902+83	WV-LE-101 / WV-LE-100	243 LF, 247 SLOPE
2902+83 – 2903+88	WV-LE-101 / WV-LE-100 / WV-LE-102	105 LF, 106 SLOPE
2903+88 – 2904+39	WV-LE-101 / WV-LE-102	51 LF, 52 SLOPE
2904+39 – 2907+05	WV-LE-101	266 LF, 276 SLOPE
2907+05 – 2909+50	WV-LE-101 / WV-LE-103	245 LF, 248 SLOPE

DESIGN

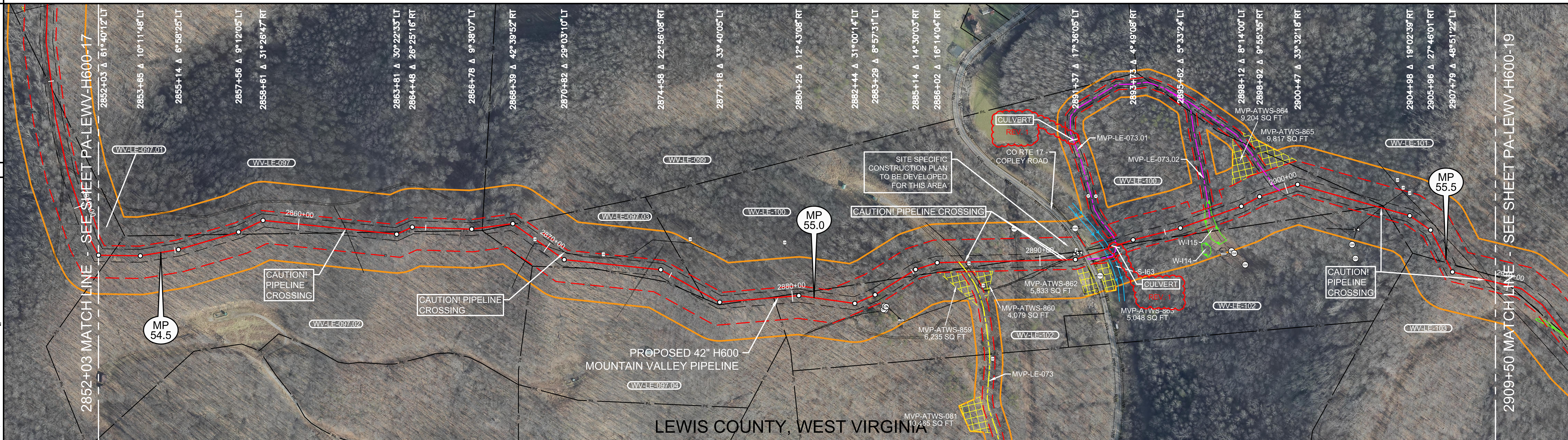
	2852+03 – 2891+60	2891+60 – 2892+00	2892+00 – 2909+50
PIPE / COATING	1	4	1
SLOPE DISTANCE	4058'	40'	1847'
CLASS LOCATION / HCA	1	1	1

ENVIRONMENTAL

CONSTRUCTION EXCLUSION		
WETLAND / STREAM	S-I63, 20 LF	W-I15, 34 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
- 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

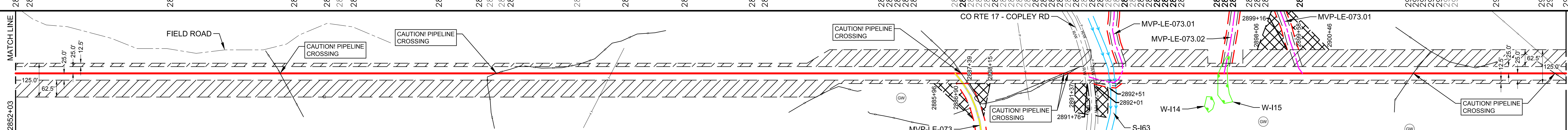
HORIZONTAL STATIONING

2852+03 MATCH LINE
2852+51 PROPERTY LINE
2857+23 PROPERTY LINE
2861+83 PIPELINE – FOREIGN – UNKNOWN
2863+05 PROPERTY LINE
2863+51 BUILDING – UNKNOWN 83'RT
2864+04 PROPERTY LINE
2867+20 PROPERTY LINE
2868+42 PROPERTY LINE
2869+09 ANTENNA 9'RT
2869+52 LINE MARKER 13'RT
2869+85 PIPELINE – FOREIGN – CNX
2872+32 LINE MARKER 21'LT
2874+11 PIPELINE – FOREIGN – DOMINION NON–SURVEYED
2876+30 PROPERTY LINE
2878+81 PROPERTY LINE
2879+28 PROPERTY LINE
2883+29 WELL – GAS 66'RT
2883+31 WELL – GAS 70'RT
2883+38 WELL – GAS 57'RT
2883+42 WELL – GAS 62'RT
2884+55 PROPERTY LINE
2886+80 EDGE OF GRAVEL
2886+87 ACCESS RD–TEMPORARY(MVP–LE–073)
2886+93 EDGE OF GRAVEL
2887+02 CULVERT 37'RT
2887+03 CULVERT 37'RT
2887+09 PIPELINE – FOREIGN – CONSOL
2887+24 CULVERT 24'RT
2887+25 LINE MARKER 20'RT
2887+25 LINE MARKER 21'RT
2887+25 CULVERT 23'RT
2888+98 PROPERTY LINE
2889+12 OHP LINE
2890+90 PIPELINE – FOREIGN – UNKNOWN
2891+05 PIPELINE – FOREIGN – CONSOL
2891+37 BUILDING – SHED 132'RT
2891+47 VALVE – GAS 18'LT
2891+47 LINE MARKER 19'LT
2891+60 VALVE – GAS 20'LT
2891+65 RIGHT–OF–WAY
2891+70 EDGE OF ASPHALT
2891+74 CULVERT 47'RT
2891+80 ℄ CO RTE 17 – COPLEY ROAD
2891+91 EDGE OF ASPHALT
2891+94 OHP LINE
2891+96 RIGHT–OF–WAY
2892+55 STREAM BANK(S–I63)
2892+75 STREAM BANK(S–I63)
2893+03 ACCESS RD–PERMANENT(MVP–LE–073.01)
2893+05 PROPERTY LINE
2896+61 BEGIN WETLAND(W–I15)
2896+83 ACCESS RD–PERMANENT(MVP–LE–073.02)
2896+95 END WETLAND(W–I15)
2897+19 WELL – GAS 150'RT
2897+25 WELL – GAS 162'RT
2897+50 WELL – GAS 218'RT
2899+73 ACCESS ROAD – PERMANENT (MVP–LE–073.01)
2903+13 WELL – GAS 168'RT
2903+40 WELL – GAS 216'RT
2903+67 PROPERTY LINE
2903+83 PIPELINE – FOREIGN–DOMINION
2903+98 PROPERTY LINE
2904+48 LINE MARKER 83'LT
2904+78 LINE MARKER 70'LT
2907+40 PROPERTY LINE
2909+09 PIPELINE – FOREIGN–DOMINION
2909+40 (DOMINION)PIPELINE
2909+50 MATCH LINE

REV 4.0.0 - ISSUED TO FERC

WORK SPACE

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



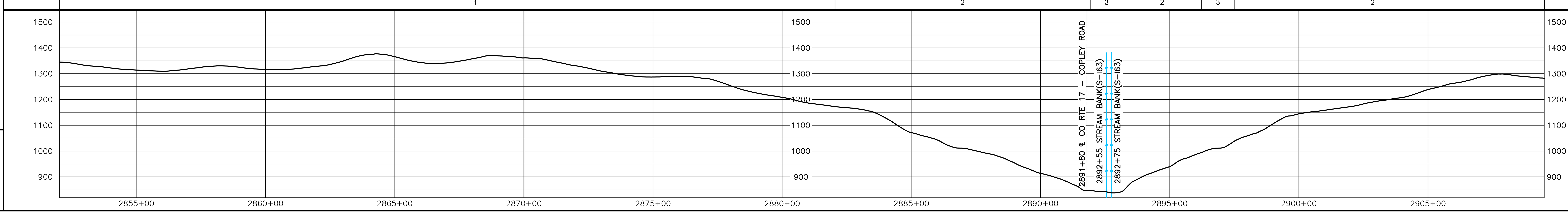
CONSTRUCTION METHOD

2852+03 – ~2882+00	~2882+00 – ~2891+80				
1	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



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
1	5905	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

HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2
Holland, Michigan 49423-3766
T 616-392-5938 F 616-392-2116
26555 Evergreen Rd. Suite. 430
Southfield, Michigan 48076
T 248-827-7322 F 248-827-7549
www.hollandengineering.com

Mountain Valley PIPELINE

PIPELINE ALIGNMENT
MOUNTAIN VALLEY PROJECT - H600 LINE
COURT DIST., LEWIS CO.,W.V.
STA. 2852+03 TO STA. 2909+50

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 -18	
SHEET 59 OF 326	REV. 1
DATE OF PLOT: 04/19/16 10:24 AM	

RIGHT-OF-WAY & OWNERSHIP DATA

Station	Owner (top)	Owner (bottom)	Length
2909+50 – 2925+92	WV-LE-102	WV-LE-103	1642 LF 1660 SLOPE
2925+92 – 2626+12	WV-LE-102 WV-LE-104	WV-LE-103	20 LF 20 SLOPE
2626+12 – 2926+54	WV-LE-104	WV-LE-103	42 LF 45 SLOPE
2926+54 – 2931+42	WV-LE-104		488 LF 499 SLOPE
2931+42 – 2932+16	WV-LE-104	COUNTY ROUTE 17/4	77 LF 77 SLOPE
2932+16 – 2936+87	WV-LE-104		471 LF 482 SLOPE
2936+87 – 2940+14	WV-LE-105	WV-LE-104	327 LF 328 SLOPE
2940+14 – 2950+75	WV-LE-106	WV-LE-104	1061 LF 1071 SLOPE

DESIGN

	2909+50 – 2931+39	2931+39 – 2931+79	2931+79 – 2950+75
PIPE / COATING	1	4	1
SLOPE DISTANCE	2222'	40'	1920'
CLASS LOCATION / HCA	1	1	1

ENVIRONMENTAL

CONSTRUCTION EXCLUSION

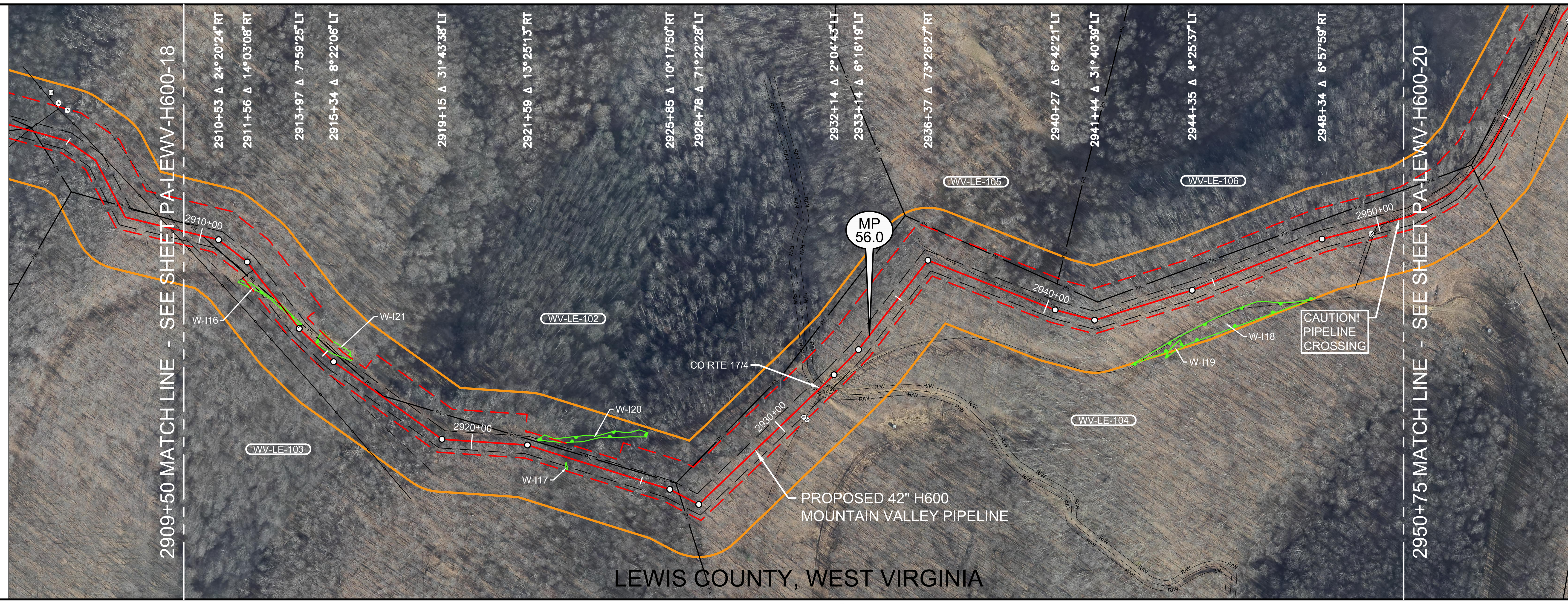
WETLAND / STREAM	W-I16	W-I21	W-I20	W-I17
	210 LF	125 LF	120 LF	11 LF

.

.

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
- 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

REFERENCE DRAWINGS

DRAWING NO.	DESCRIPTION

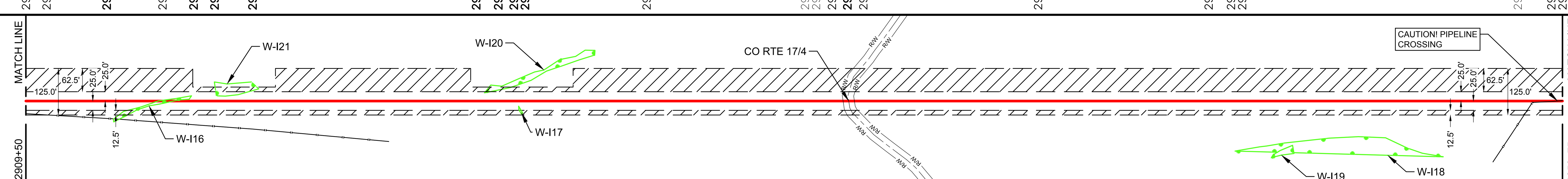
REV 4.0.0 - ISSUED TO FERC

HORIZONTAL STATIONING

- 2909+50 MATCH LINE
- 2910+05 PROPERTY LINE
- **2911+84 BEGIN WETLAND(W-I16)49'RT**
- 2913+17 PROPERTY LINE
- **2913+94 END WETLAND(W-I16)14'LT**
- **2914+56 BEGIN WETLAND(W-I21)37'LT**
- **2915+75 END WETLAND(W-I21)33'LT**
- **2921+81 BEGIN WETLAND(W-I20)22'LT**
- **2922+54 END WETLAND(W-I20)37'LT**
- **2922+79 BEGIN WETLAND(W-I17)14'RT**
- **2922+90 END WETLAND(W-I17)32'LT**
- 2926+16 PROPERTY LINE
- 2930+68 GATE POST 28'RT
- 2930+69 GATE POST 39'RT
- 2931+44 RIGHT-OF-WAY
- **2931+59 ℄ CO RTE 17/4-BUTCHERS FORK ROAD**
- 2931+74 RIGHT-OF-WAY
- 2936+37 PROPERTY CORNER 59'LT
- 2941+25 FENCE - WIRE
- 2941+48 PROPERTY CORNER 5'LT
- 2941+64 FENCE - WIRE
- 2949+70 LINE MARKER 36'RT
- 2950+62 PIPELINE - 8" F1147(EQT)PIPELINE
- 2950+75 MATCH LINE

WORK SPACE

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



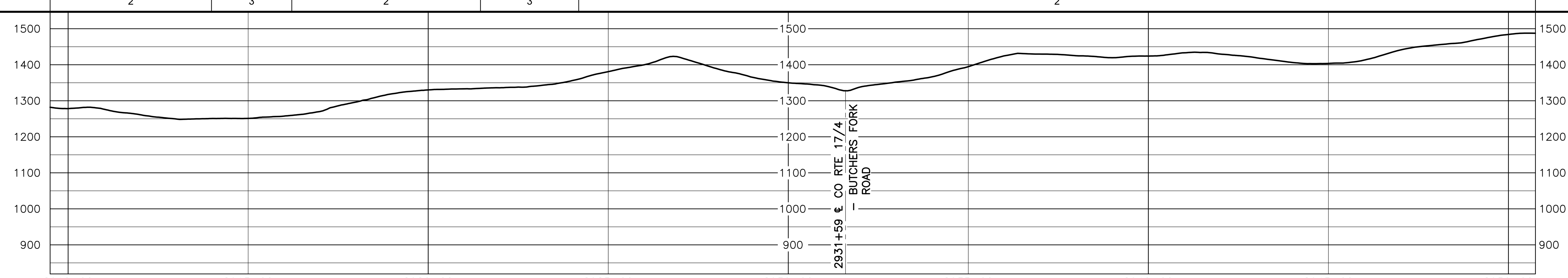
CONSTRUCTION METHOD

2909+50 – 2913+94	2913+94 – 2915+75	2915+75 – 2921+81	2921+81 – 2924+25	2924+25 – 2950+75
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



REVISIONS

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

MATERIAL SUMMARY

MK. NO.	QTY.	DESCRIPTION
1	4142	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

HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2
Holland, Michigan 49423-3766
T 616-392-5938 F 616-392-2116
26555 Evergreen Rd. Suite. 430
Southfield, Michigan 48076
T 248-827-7322 F 248-827-7549
www.hollandengineering.com

Mountain Valley PIPELINE

PIPELINE ALIGNMENT
MOUNTAIN VALLEY PROJECT - H600 LINE
COURT DIST., LEWIS CO.,W.V.
STA. 2909+50 TO STA. 2950+75

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 -19	
SHEET 60 OF 326	REV. 0
DATE OF PLOT: 04/19/16 10:25 AM	