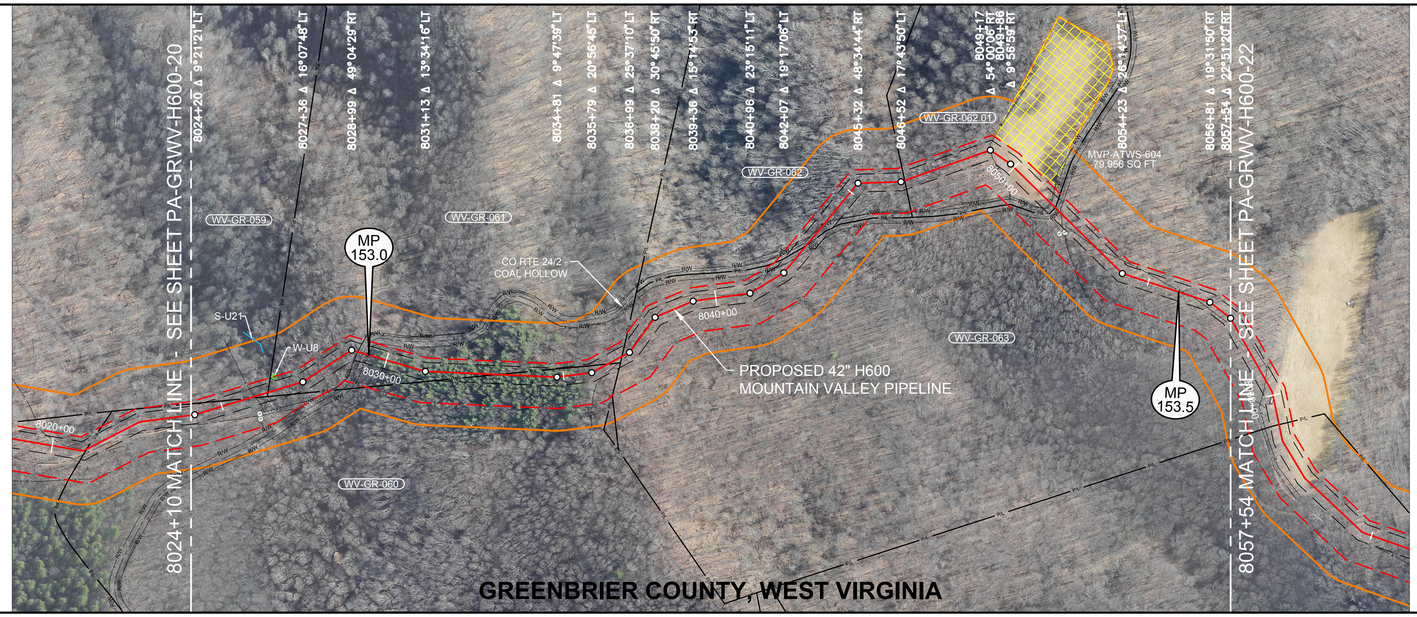
RIGHT-OF-WAY & OWNERSHIP DATA

| | | |

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

RIGHT-OF-WAY & OWNERSHIP DATA

		8024+10	8026+29	8026+29	8027+85	8028+92	8029+67	8036+02	8036+93	8037+41	8041+43	8049+63	8050+41	8051+76	8057+54
		WV-GR-059 / WV-GR-060	WV-GR-059 / WV-GR-061 / WV-GR-060	WV-GR-061 / WV-GR-060	WV-GR-061	COUNTY ROUTE 24/2	WV-GR-061 / WV-GR-060	WV-GR-061 / WV-GR-062 / WV-GR-063	WV-GR-061 / WV-GR-063	WV-GR-063	WV-GR-062 / COUNTY ROUTE 24/2 / WV-GR-063	WV-GR-062.01	WV-GR-062.01 / COUNTY ROUTE 24/2 / WV-GR-063	WV-GR-063	
		219 LF 220 SLOPE	23 LF 23 SLOPE	133 LF 136 SLOPE	107 LF 109 SLOPE	75 LF 77 SLOPE	635 LF 641 SLOPE	62 LF 63 SLOPE	77 LF 77 SLOPE	402 LF 410 SLOPE	521 LF 528 SLOPE	377 LF 380 SLOPE	135 LF 140 SLOPE	578 LF 589 SLOPE	
DESIGN	PIPE / COATING	1			4		1			4		1		1	
	SLOPE DISTANCE	508'			40'		1314'			120'		786'		584'	
	CLASS LOCATION / HCA	1													
ENVIRONMENTAL	CONSTRUCTION EXCLUSION														
	WETLAND / STREAM		W-U8 13 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

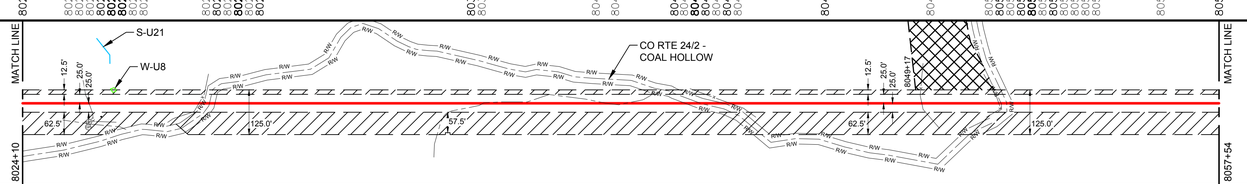
DRAWING NO.	DESCRIPTION
MVP-AR-H600-08	ACCESS ROADS, ANCILLARY SITES, MAINLINE VALVES & LAUNCHER/RECEIVER SITES

HORIZONTAL STATIONING

8024+10 MATCH LINE	8025+03 GATE POST 65'RT	8025+95 GATE POST 51'RT	8025+97 FENCE - BARBED WIRE	8026+54 BEGIN WETLAND(W-U)38'LT	8026+58 BEGIN WETLAND(W-U)38'LT	8026+71 END WETLAND(W-U)38'LT	8026+88 CULVERT OPEN END 77'RT	8027+19 CULVERT OPEN END 67'RT	8029+16 FENCE - BARBED WIRE	8029+17 RIGHT-OF-WAY	8029+26 EDGE OF DIRT	8029+26 CO RTE 24/2 - COAL HOLLOW	8029+37 EDGE OF DIRT	8029+48 RIGHT-OF-WAY	8036+75 PROPERTY LINE	8036+97 TRAIL(DIRT)	8040+42 TRAIL(DIRT)	8040+96 TRAIL(DIRT)	8042+62 RIGHT-OF-WAY	8042+82 EDGE OF DIRT	8043+05 CO RTE 24/2 - COAL HOLLOW	8043+05 PROPERTY LINE	8043+69 RIGHT-OF-WAY	8043+85 FENCE - BARBED WIRE	8046+63 PROPERTY LINE	8049+21 FENCE - BARBED WIRE	8051+41 FENCE - BARBED WIRE	8051+45 RIGHT-OF-WAY	8051+61 EDGE OF DIRT	8051+61 PROPERTY LINE	8051+61 CO RTE 24/2--COAL HOLLOW	8051+66 EDGE OF DIRT	8051+76 RIGHT-OF-WAY	8052+04 EDGE OF TRAIL(DIRT)	8052+20 GATE POST 43'RT	8052+29 GATE POST 30'RT	8053+20 FENCE - BARBED WIRE	8056+21 FENCE - BARBED WIRE	8057+54 MATCH LINE

WORK SPACE

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

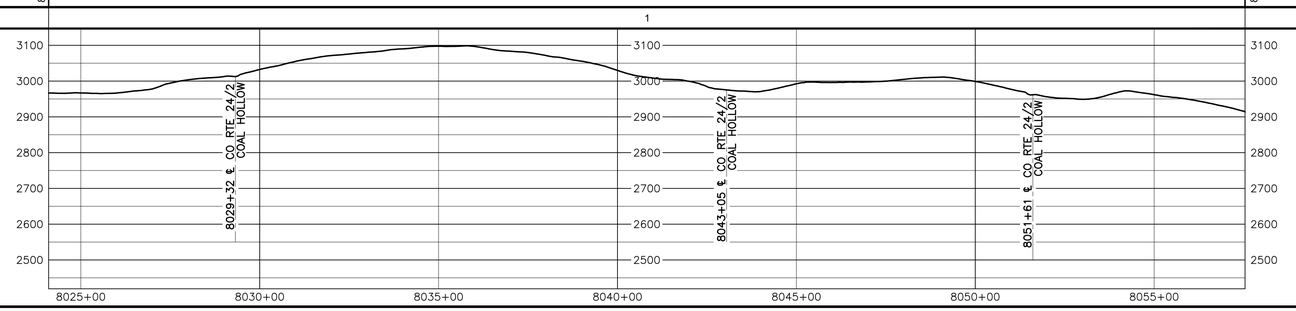


CONSTRUCTION METHOD

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

HOLLAND ENGINEERING
220 Hoover Boulevard, Suite 2 | 26895 Evergreen Rd, Suite 430
Holland, Michigan 49423-3786 | Southfield, Michigan 48076
T 616.355.0580 F 616.355.0582 | T 248.557.7220 F 248.557.7949
www.hollandengineering.com

REVISIONS

REV.	BY	DATE	DESCRIPTION
0	HEI	10-1-15	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	09-13-16	REV. 4.1.0 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	3192	42"O.D. X 0.617"W.T. X-70 - FBE BONDED EPOXY
2	200	42"O.D. X 0.740"W.T. X-70 - FBE & ARO
4		TYPE 1 TEST STATION - PIPELINE
		TYPE 3 TEST STATION - CASING
		TYPE 4 TEST STATION - FOREIGN CROSSING

APPROVED FOR CONSTRUCTION		
REV.	BY	DATE
-	-	-

APPROVED FOR BIDDING		
REV.	BY	DATE
3	RRR	09-05-16

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
MEADOW BLUFF DIST., GREENBRIER CO., W.V.
STA. 8024+10 TO STA. 8057+54

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-GRWV-H600-21
SHEET 169 OF 329	REV. 4
DATE OF PLOT: 10/11/16 8:14 AM	

RIGHT-OF-WAY & OWNERSHIP DATA

| | | |