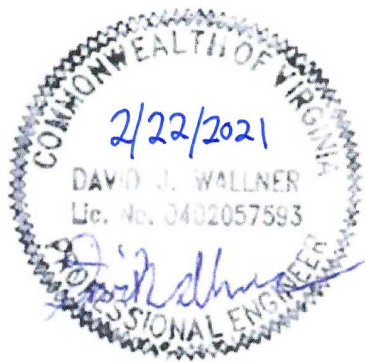
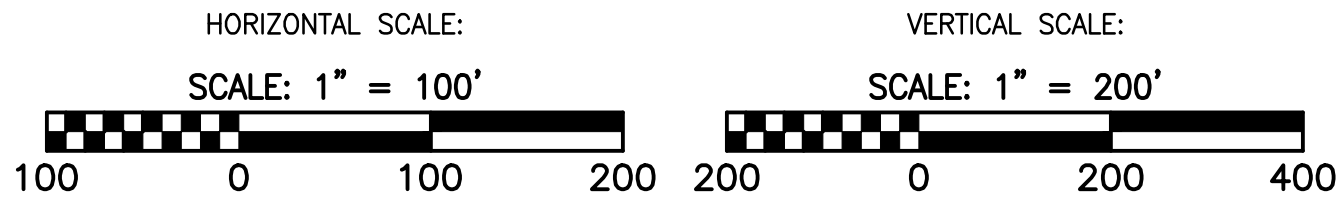
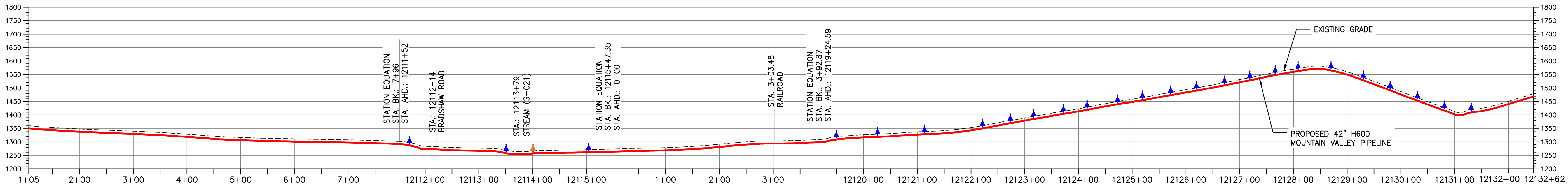
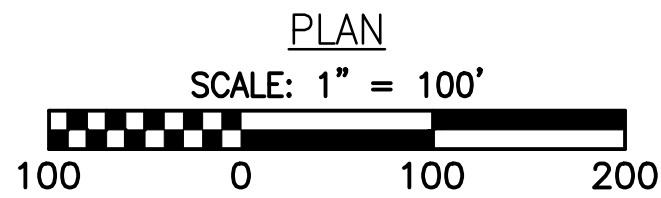
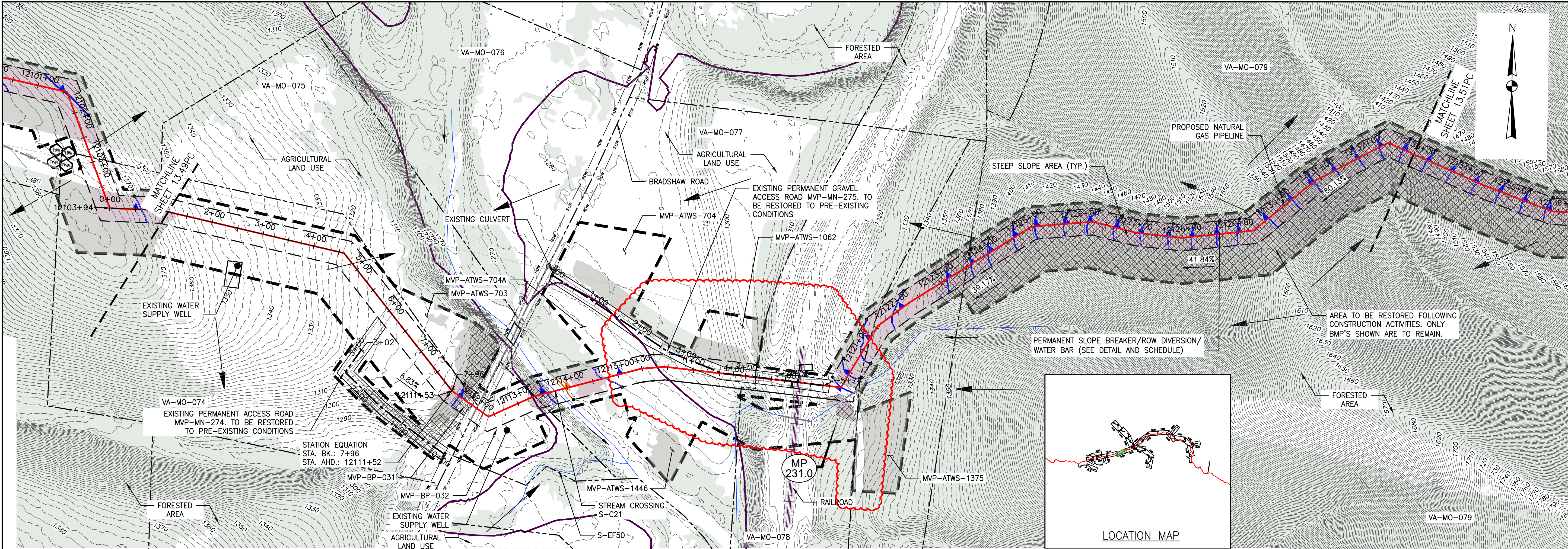


By virtue of this seal and signature, all supporting documents included in this package are accurate and support the design presented herein.





LEGEND

- | | | | |
|-------|---|-------|---|
| — | EXISTING CULVERT | +++++ | PROPOSED LEVEL SPREADER |
| — | STREAM | --- | PROPOSED PERMANENT RIGHT OF WAY |
| - - - | EXISTING PROPERTY LINE | - - - | PROPOSED ACCESS ROAD CENTERLINE |
| - - - | EXISTING STATE LINE | - - - | PROPOSED PIPELINE |
| - - - | EXISTING COUNTY LINE | + | SURFACE WATER FLOW DIRECTION |
| - - - | EXISTING ROAD/TRAIL | ■ | POND |
| --- | USDA FOREST SERVICE (NATIONAL FOREST) LANDS | ■ | WETLAND |
| --- | APPALACHIAN NATIONAL SCENIC TRAIL | ▲ | PROPOSED CULVERT WITH OUTLET PROTECTION (SEE DETAILS MVP-ES7, 7.1) |
| --- | ACID FORMING MATERIAL | ▲ | PERMANENT WATER BAR 10' END TREATMENT |
| --- | PROPOSED LEVEL SPREADER DIVERSION | ▲ | PERMANENT WATER BAR 15' END TREATMENT |
| --- | GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39) | ▲ | PERMANENT WATER BAR 20' END TREATMENT |
| --- | PROPOSED LIMIT OF DISTURBANCE | ● | APPROXIMATE LOCATION OF WATER BAR END TREATMENTS (PENDING FIELD CONDITIONS) |
| --- | STREAM FLOW DIRECTION | ■ | STEEP SLOPE AREA |
| --- | FEMA 100 YEAR FLOODPLAIN | ■ | EXISTING FOREST |
| --- | PERMANENT WATER BAR 10' END TREATMENT | ■ | PERMANENT EASEMENT RESTORED TO MEADOW CONDITION |
| --- | PERMANENT WATER BAR 15' END TREATMENT | ■ | TEMPORARY EASEMENT RESTORED TO BRUSH CONDITION |
| --- | PERMANENT WATER BAR 20' END TREATMENT | ■ | |

NOTES:

- NOTE THAT ALL WATERBARS REGARDLESS OF SPECIFIED CALCULATION LENGTH TO BE INSTALLED AT 20-FT END TREATMENT LENGTH, EXCEPT AT NOTED IN NOTE 2 BELOW.
- IN AREAS OF RIDGETOP AS NOTED IN THE TABLE ON THE LAST SHEET OF THIS PLAN SET, WATERBARS WITH END TREATMENT LENGTHS OF 10-FT WILL BE PLACED ON EITHER END.

ADDRESS VADO COMMENTS		JRE	DW
FIELD MODIFICATION – MP 230.8 (PIPELINE RE-ROUTE)	-	BH	JRE
ADDRESS VADO COMMENTS	4	3/5/18	DW
RESUBMISSION USING APPROVED STORMWATER METHODOLOGY	3	2/16/18	DW
ADDRESS VADO COMMENTS	2	11/21/17	DW
PLAN SUBMISSION	1	9/21/17	DW
NO.	DATE:	DWN.	CHD.
REVISIONS:			
DESCRIPTION:			

Mountain Valley Pipeline		POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS
MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE		
SPREAD 9 - MONTGOMERY COUNTY, VIRGINIA		
MOUNTAIN VALLEY PIPELINE, LLC		
2200 ENERGY DRIVE		
CANONSBURG, PA 15311		

TETRA TECH	
complex world CLEAR SOLUTIONS™	
661 ANDERSEN DRIVE	
FOSTER PLAZA 7	
PITTSBURGH, PA 15220	

POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS	
--	--

DAVID J. WALLNER Lic. No. 0402057593 Professional Engineer	
DRAWN BY:	KAL
CHECKED BY:	JRE
APPROVED BY:	DW
DATE:	1/11/21
SCALE:	AS SHOWN
SHT. NO. 13.50PC OF 13.90PC	REVISION