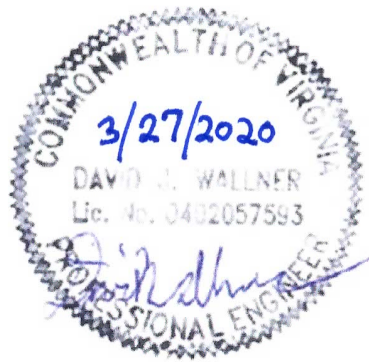
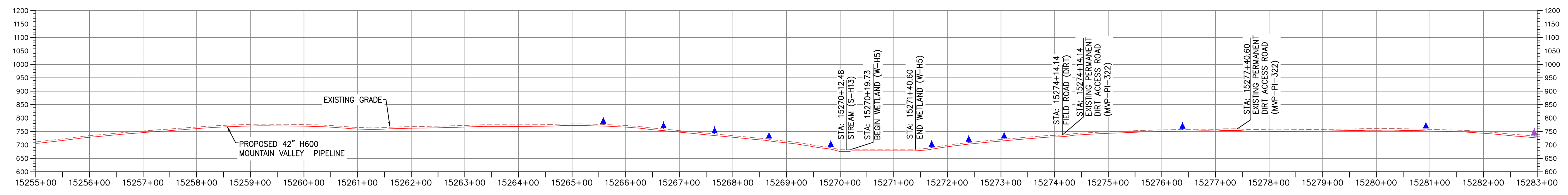
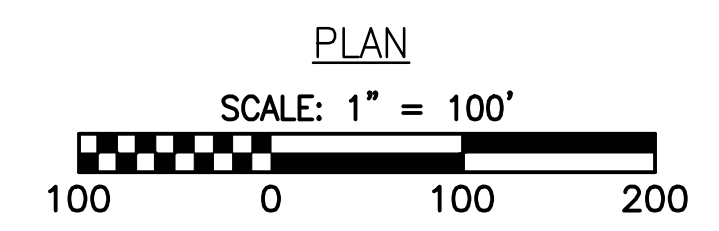
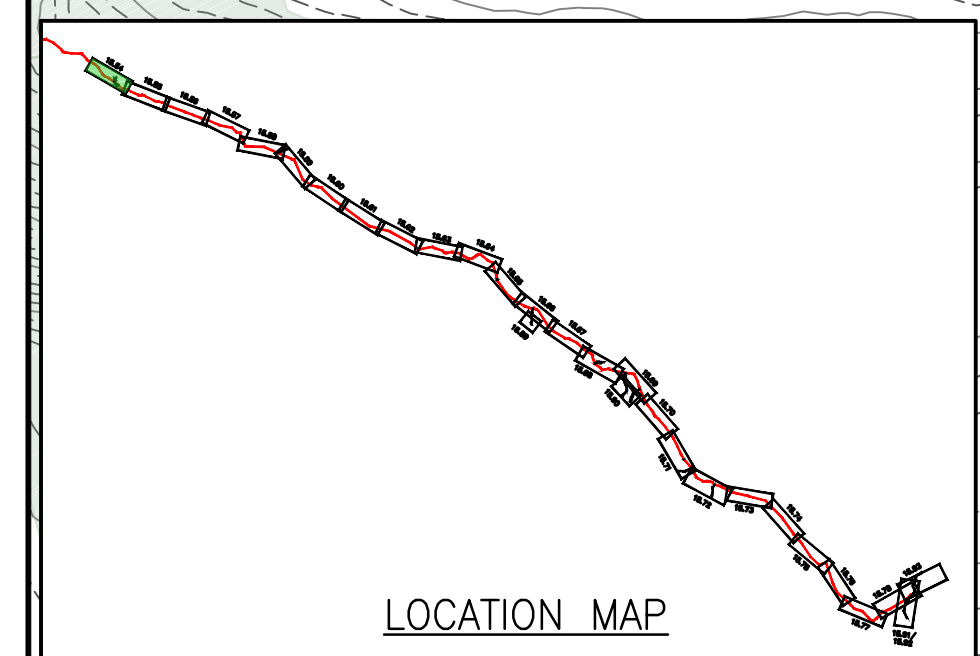
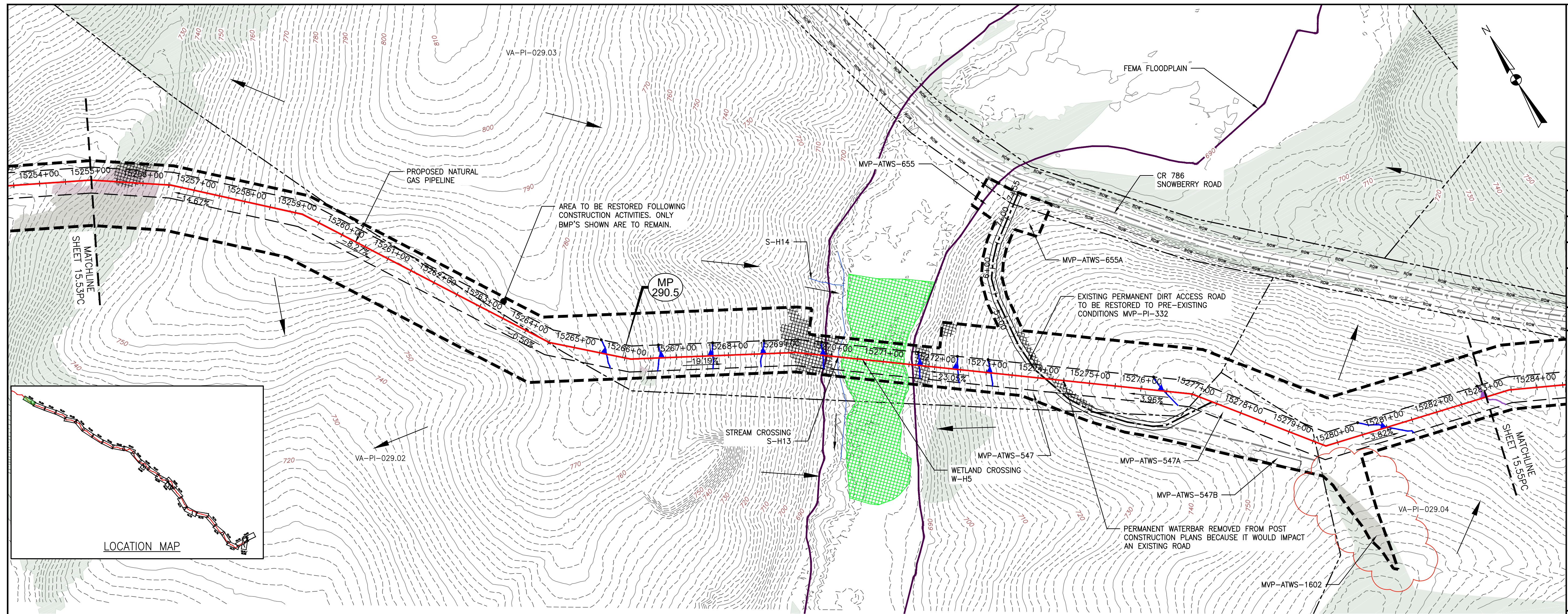


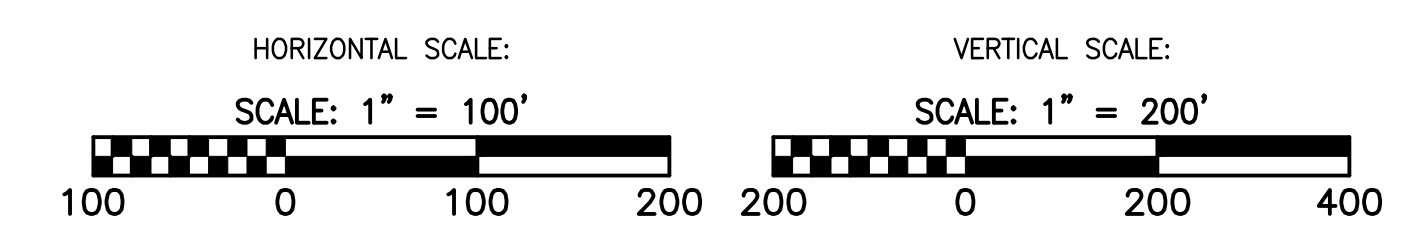
By virtue of this seal and signature, all supporting documents included in this package are accurate and support the design presented herein.





LEGEND

—	EXISTING CULVERT	—+—+—+—	PROPOSED LEVEL SPREADER DIVERSION				
—	STREAM	+++++	PROPOSED LEVEL SPREADER				
- - -	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	▲	▲	APPROXIMATE LOCATION OF WATER BAR END TREATMENTS (PENDING FIELD CONDITIONS)			
—+—+—+—	GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)	▲	▲	▲	STREAM FLOW DIRECTION		
- - -	PROPOSED LIMIT OF DISTURBANCE	▲	▲	▲	▲	FEMA 100 YEAR FLOODPLAIN	
- - -	PROPOSED PERMANENT RIGHT OF WAY	▲	▲	▲	▲	▲	PERMANENT WATER BAR 10' END TREATMENT
		▲	▲	▲	▲	▲	PERMANENT WATER BAR 15' END TREATMENT
		▲	▲	▲	▲	▲	PERMANENT WATER BAR 20' END TREATMENT



NOTES:

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

NO.	DATE	CHKD.	APPD.	DESCRIPTION
7	12/14/18	JWK	RE	FIELD MODIFICATIONS
6	03/21/18	KAL	RE	ADDRESS VADEQ COMMENTS
5	03/16/18	KAL	RE	ADDRESS VADEQ COMMENTS
4	03/04/18	KAL	RE	ADDRESS VADEQ COMMENTS
3	02/20/18	KAL	RE	RESUBMISSION USING APPROVED STORMWATER METHODOLOGY
2	11/21/17	KAL	RE	ADDRESS VADEQ COMMENTS

Mountain Valley Pipeline
POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS
MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE
 SPREAD 11 - PITTSYLVANIA COUNTY, VIRGINIA
MOUNTAIN VALLEY PIPELINE, LLC
 2200 ENERGY DRIVE
 CANONSBURG, PA 15317

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: JWK
 CHECKED BY: RE
 APPROVED BY: DW
 DATE: 12/14/2018
 SCALE: AS SHOWN
 SHT. NO. 15.54PC OF 15.93PC