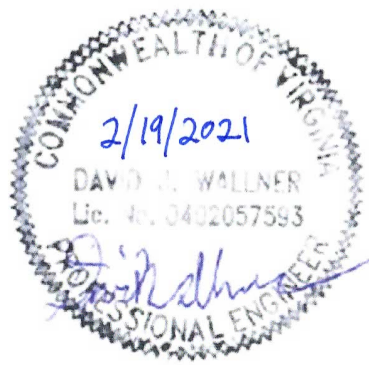
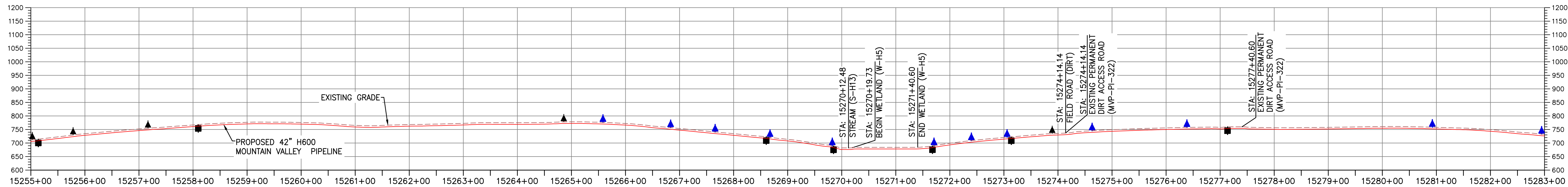
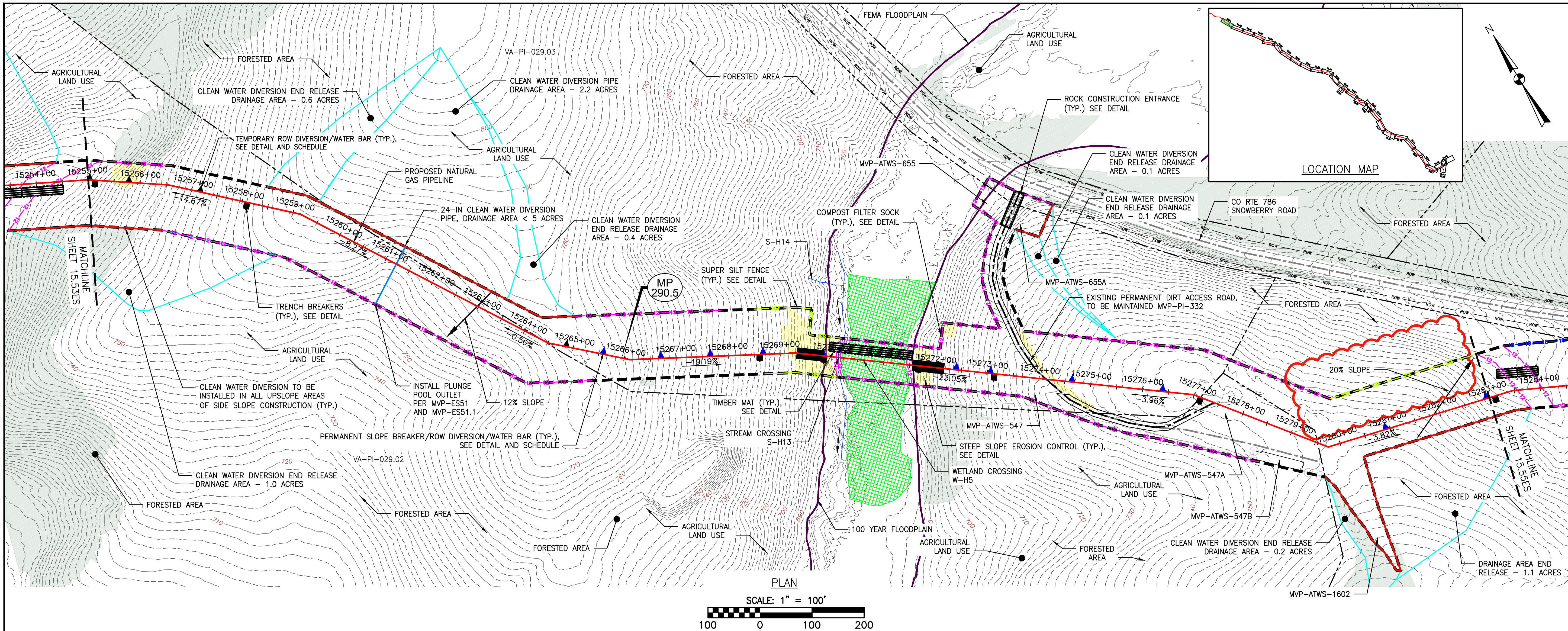


By virtue of this seal and signature, all supporting documents included in this package are accurate and support the design presented herein.

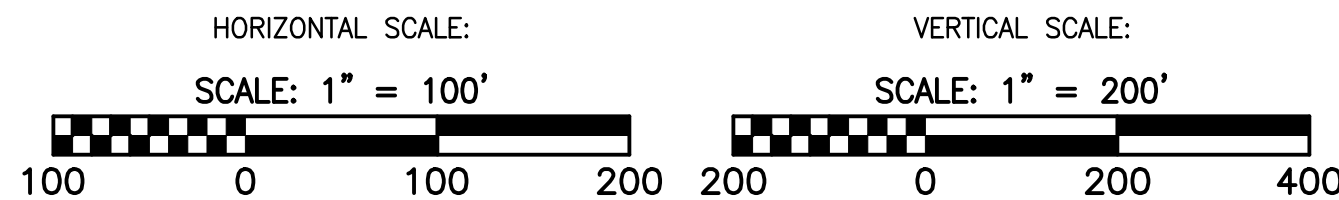






LEGEND

- |                                                 |                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------|
| --- PROPOSED LIMIT OF DISTURBANCE               | --- PROPOSED ACCESS ROAD CENTERLINE                                            |
| --- STREAM                                      | --- PROPOSED PIPELINE                                                          |
| --- USDA FOREST SERVICE (NATIONAL FOREST) LANDS | --- PROPOSED SILT FENCE (SEE NOTE 5)                                           |
| --- APPALACHIAN NATIONAL SCENIC TRAIL           | --- PROPOSED SUPER SILT FENCE (SEE DETAIL MVP-ES9.2)                           |
| --- EXISTING ROAD/TRAIL                         | --- PROPOSED REINFORCED FILTRATION DEVICE (SEE DETAILS MVP-ES9, 9.1, 9.2, 9.3) |
| --- EXISTING PROPERTY LINE                      | --- ORANGE CONSTRUCTION SAFETY FENCE                                           |
| --- EXISTING STATE LINE                         | --- PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)               |
| --- EXISTING COUNTY LINE                        | --- PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)               |
| --- POND                                        | --- PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)               |
| --- WETLAND                                     | --- GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)                                  |
| --- ACID FORMING MATERIAL                       | --- CLEAN WATER DIVERSION PIPE                                                 |
| --- EXISTING FOREST                             | --- CLEAN WATER DIVERSION DIKE (SEE DETAIL MVP-ES50 AND MVP-ES51)              |



- |                                                               |                                                                                              |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| --- STREAM FLOW DIRECTION                                     | --- FEMA 100 YEAR FLOODPLAIN                                                                 |
| --- DRAINAGE AREA BOUNDARY                                    | --- TIMBER MAT (SEE DETAIL MVP-ES37)                                                         |
| --- STEEP SLOPE EROSION CONTROL (SEE NOTE 2)                  | --- STEEP SLOPE AREAS (SEE NOTE 4)                                                           |
| --- PROPOSED ROCK CONSTRUCTION ENTRANCE                       | --- PROPOSED TRENCH BREAKER (SEE DETAIL MVP-20)                                              |
| --- TEMPORARY ROW DIVERSION/WATER BAR (VADEQ STD & SPEC 3.11) | --- PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, ES38, AND SCHEDULE) |

NOTES:

- TOPSOIL SEGREGATION TO BE CONDUCTED THROUGHOUT THE JEFFERSON NATIONAL FOREST.
- FLEXITERRA, EARTHGUARD OR EQUIVALENT MAY BE USED AS A SUBSTITUTE TO EROSION CONTROL BLANKET AS DIRECTED BY MVP.
- CONTRACTOR IS RESPONSIBLE TO IDENTIFY ALL UTILITIES. THE UTILITY LINES SHOWN ON THE PLAN ARE FOR INFORMATIONAL PURPOSES ONLY AND DO NOT REPRESENT SURVEYED LINE INFORMATION.
- SLOPES OF 30° OR GREATER EXIST. CONSTRUCTION FOR STEEP SLOPES TO BE PERFORMED USING STEEP SLOPE TECHNIQUES IDENTIFIED IN THE DETAIL SHEETS. ALSO REFER TO THE SITE-SPECIFIC DESIGN OF STABILIZATION MEASURES IN SELECTED HIGH-HAZARD PORTIONS OF THE ROUTE OF THE PROPOSED MOUNTAIN VALLEY PIPELINE PROJECT.
- WHERE CONSTRUCTION CONDITIONS PRECLUDE THE USE OF DIVERSION DITCHES DUE TO SITE CONDITIONS THE CONTRACTOR WILL INSTALL SILT FENCE AT THE DIRECTION OF MVP.
- DRAINAGE FEATURE CROSSINGS TO BE PERFORMED PER DETAIL MVP-ES49.
- TEMPORARY ACCESS ROAD CROSSING OF STREAMS AND WETLANDS WILL UTILIZE TIMBERMATS. ANY PERMANENT ROAD CROSSINGS WILL BE CONDUCTED VIA CULVERTS. NO UNPERMITTED IMPACT TO STREAMS WILL OCCUR AS A RESULT OF ROAD OR PIPELINE CROSSINGS AND ALL ESC BMP'S WILL BE INSTALLED TO CONTINUE THE STREAM FLOW.
- ALL NON VMRC STREAM CROSSINGS WILL BE PERFORMED AS DESCRIBED IN THE STREAM CROSSING TABLE INCLUDED IN THIS PACKAGE AND PER DETAIL MVP-ES49.

ADDRESS VADEQ COMMENTS		FIELD MODIFICATION		ADDRESS VADEQ COMMENTS		ADDRESS VADEQ COMMENTS		ADDRESS VADEQ COMMENTS		ADDRESS VADEQ COMMENTS		DESCRIPTION		
NO.	DATE	CHKD.:	DWN.:	APPD.:	NO.	DATE	CHKD.:	DWN.:	APPD.:	NO.	DATE	CHKD.:	DWN.:	APPD.:
1	01/11/21	JUZ	RE	DW	6	12/14/18	GAR	RE	DW	5	03/04/18	KAL	RE	DW
2	02/27/18	KAL	RE	DW	4	02/27/18	KAL	RE	DW	3	01/07/18	KAL	RE	DW
3	11/21/17	KAL	RE	DW										
REVISIONS:														

Mountain Valley Pipeline		EROSION AND SEDIMENT CONTROL 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

EROSION AND SEDIMENT CONTROL PLANS

DAVID J. WALLNER  
Lic. No. 0402057593  
Professional Engineer

DRAWN BY: JWK  
CHECKED BY: RE  
APPROVED BY: DW  
DATE: 01/11/2021  
SCALE: AS SHOWN  
SHT. NO. 15.54ES OF 15.99ES