

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

- 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.

NO.	DATE	CHKD.	APPD.	DESCRIPTION
1	08-10-22	JUZ	DCW	FIELD MODIFICATION
2	11/21/17	KAL	DCW	ADDRESS VABEC COMMENTS
3	2/16/18	KAL	DCW	RESUBMISSION USING APPROVED STORMWATER METHODOLOGY
4	3/5/18	KAL	DCW	ADDRESS VABEC COMMENTS
5	7/7/20	BH	DCW	FIELD MODIFICATION - MP 227.7 (PIPELINE RE-ROUTE)
6	—	MAP	—	—

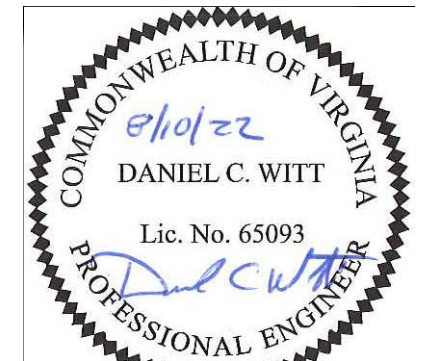
POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS  
MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE  
SPREAD 9 - MONTGOMERY COUNTY, VIRGINIA

**MOUNTAIN VALLEY PIPELINE, LLC**  
2200 ENERGY DRIVE  
CANONSBURG, PA 15311

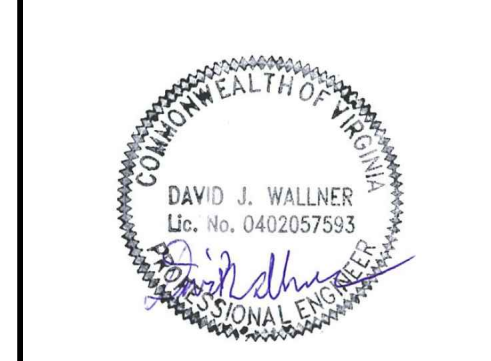
**TETRA TECH**  
complex world | CLEAR SOLUTIONS™

661 ANDERSEN DRIVE  
FOSTER PLAZA 7  
PITTSBURGH, PA 15220

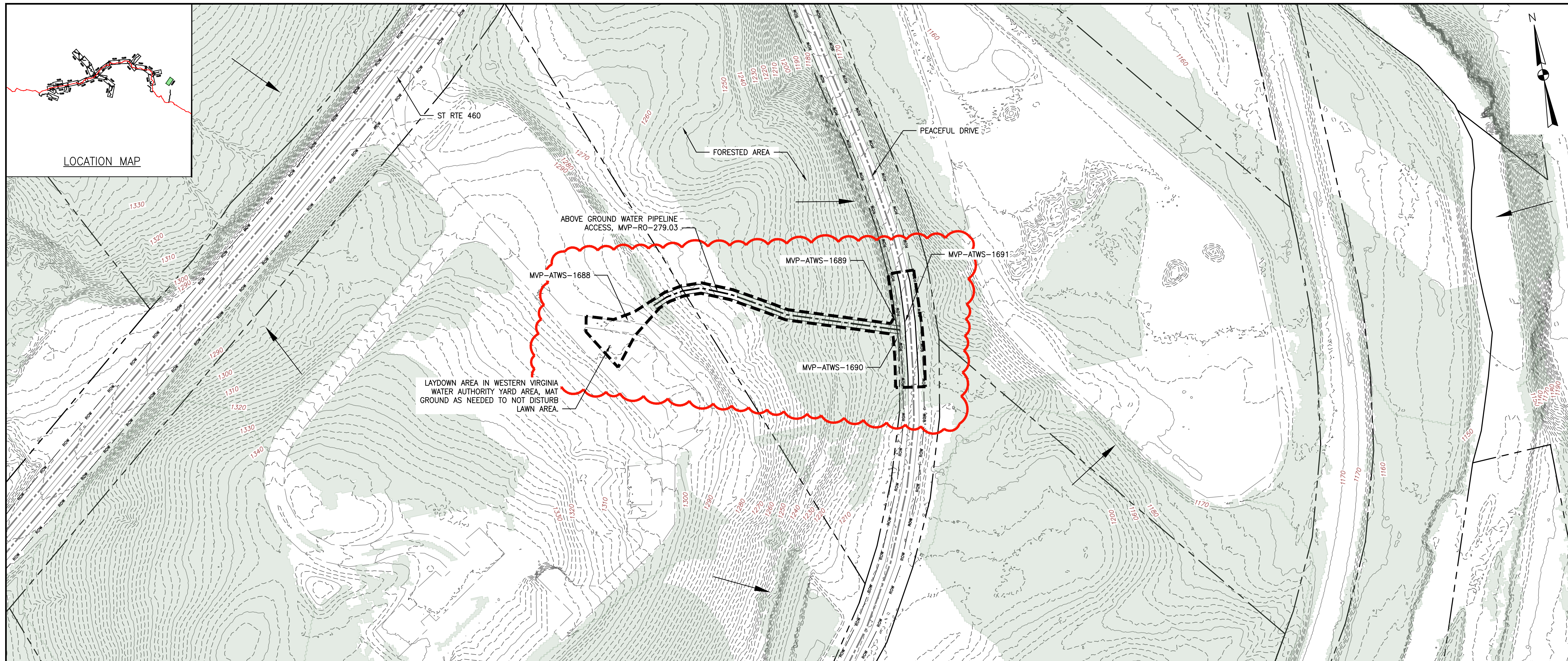
POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS



THIS SEAL ONLY APPLIES TO REVISIONS DATED 8-10-22



DRAWN BY:	JUZ
CHECKED BY:	DCW
APPROVED BY:	TD
DATE:	08/10/22
SCALE:	AS SHOWN
SHT. NO.	13.58PC OF 13.90PC



LAYDOWN AREA IN WESTERN VIRGINIA WATER AUTHORITY YARD AREA, MAT GROUND AS NEEDED TO NOT DISTURB LAWN AREA.

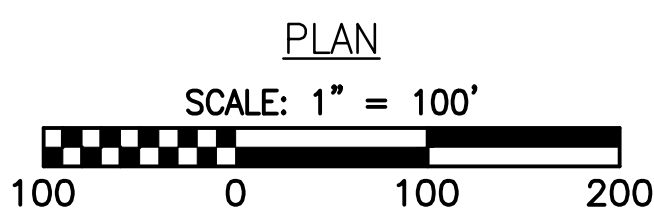
ABOVE GROUND WATER PIPELINE ACCESS, MVP-RO-279.03

MVP-ATWS-1688

MVP-ATWS-1689

MVP-ATWS-1691

MVP-ATWS-1690



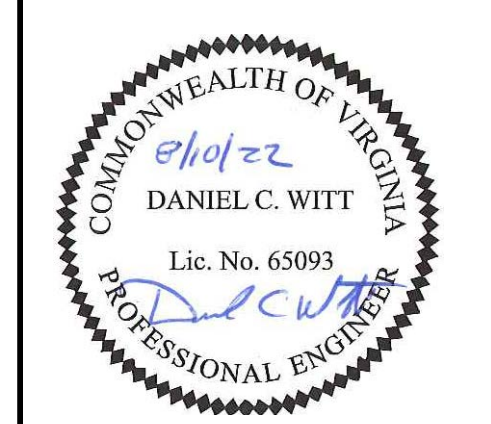
- LEGEND**
- EXISTING PROPERTY LINE
  - 1160 EXISTING CONTOUR (MAJOR)
  - EXISTING CONTOUR (MINOR)
  - EXISTING ROAD CENTERLINE
  - EXISTING EDGE OF ROAD (SURVEYED)
  - PROPOSED LIMIT OF DISTURBANCE
  - FLOW DIRECTION
  - █ EXISTING FOREST
  - █ TEMPORARY EASEMENT RESTORED TO BRUSH CONDITION
  - STREAM
  - FEMA 100 YEAR FLOODPLAIN

NO.	DATE	CHKD.	APPD.	DESCRIPTION
0	08-10-22	JUZ	DCW	ADDITION OF MVP-ATWS 1681 AND 1680

**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**  
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 661 ANDERSEN DRIVE  
 FOSTER PLAZA 7  
 PITTSBURGH, PA 15220

POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS



DRAWN BY:	JUZ
CHECKED BY:	DW
APPROVED BY:	TD
DATE:	01/27/2022
SCALE:	AS SHOWN
SHT. NO. 13.90APC OF 13.91PC	REVISION