



*Commonwealth of Virginia*

***VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY***

1111 E. Main Street, Suite 1400, Richmond, Virginia 23219

P.O. Box 1105, Richmond, Virginia 23218

(800) 592-5482

[www.deq.virginia.gov](http://www.deq.virginia.gov)

Travis A. Voyles  
Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus  
Director  
(804) 698-4020

October 16, 2023

Mr. Cory Chalmers  
Senior Environmental Coordinator  
Equitrans Midstream Corporation  
2200 Energy Drive  
Canonsburg, PA 15317

*Transmitted electronically: [CChalmers@equitransmidstream.com](mailto:CChalmers@equitransmidstream.com)*

Re: Mountain Valley Pipeline, LLC (MVP)  
Combined Stormwater Management (SWM) and Erosion & Sediment Control (ESC)  
Plan Modification (1) Approval

Dear Mr. Chalmers:

The Department of Environmental Quality (DEQ) hereby approves the following modifications to the Combined Stormwater Management (SWM) and Erosion & Sediment Control (ESC) Plan:

- MVP Clear Water Diversion (CWD) Modifications near Norcross Road Spread 8, Sheets 12.09ES, 12.09PC, and 12.10PC, Sign/Seal dated 8/3/2023 and Sheet 12.10ES, Sign/Seal dated 9/5/2023.

**No additional modifications, updates or additions may be made to the approved Plans without obtaining prior approval from DEQ. Additionally, approval of these modifications does not relieve the owner and/or operator of complying with all other federal, state, or local laws and regulations. Please ensure that copies of this approval letter, the approved plan modification, and the corresponding MVP Program Administrator approval letter are made available to the public, inspection staff and field staff in accordance with the DEQ-approved MVP Annual Standards and Specifications.**

October 16, 2023  
Mr. Cory Chalmers  
Re: Mountain Valley Pipeline LLC  
Page 2 of 2

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty (30) days from the date you received this decision within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court of Virginia with the Director, Virginia Department of Environmental Quality.

It is the responsibility of the owner and/or operator to ensure that the project is constructed in accordance with the approved Plans and accompanying specifications. Upon completion of the project, the owner and/or operator will be required to submit construction record drawings for all permanent stormwater management facilities (i.e., post-development best management practices) constructed in accordance with the approved Plans.

Please contact Mr. Larry Gavan at (804) 965-3320 or [Larry.Gavan@deq.virginia.gov](mailto:Larry.Gavan@deq.virginia.gov) if you have any questions about this letter.

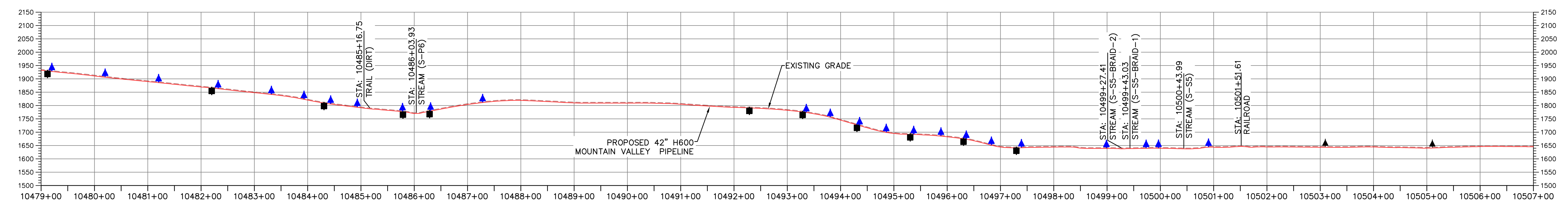
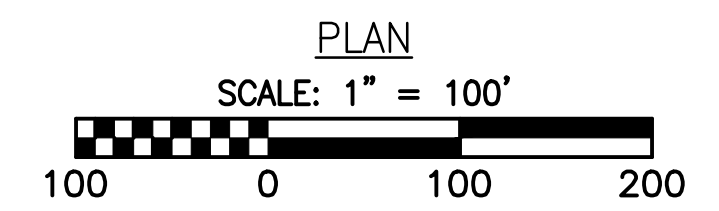
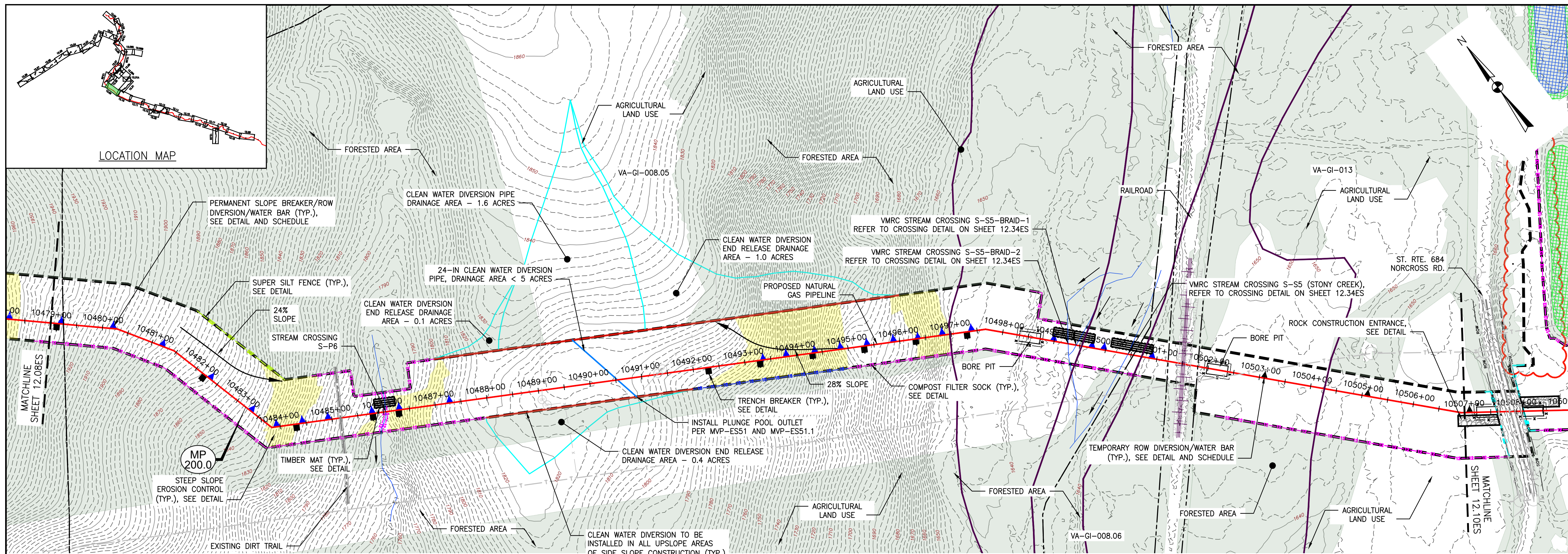
Sincerely,

A handwritten signature in black ink, appearing to read "Kyle Kennedy".

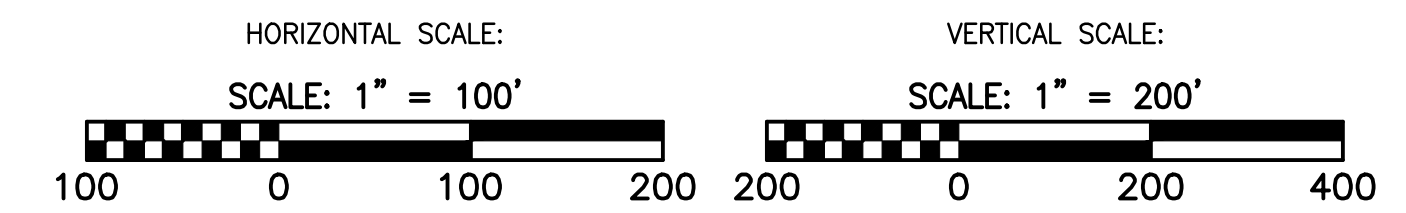
Kyle Kennedy, P.E  
Manager  
Office of Stormwater Management

Cc: John McCutcheon, DEQ-CO  
Jay Lemmerman, WSSI





PROFILE



**LEGEND**

	PROPOSED LIMIT OF DISTURBANCE
	STREAM
	USDA FOREST SERVICE (NATIONAL FOREST) LANDS
	APPALACHIAN NATIONAL SCENIC TRAIL
	EXISTING ROAD/TRAIL
	EXISTING PROPERTY LINE
	EXISTING STATE LINE
	EXISTING COUNTY LINE
	POND
	WETLAND
	ACID FORMING MATERIAL
	EXISTING FOREST

	AREA EXCLUDED FROM PHASE 1 LOD
	PHASE 1 LIMIT OF DISTURBANCE
	PROPOSED ACCESS ROAD CENTERLINE
	PROPOSED PIPELINE
	PROPOSED SILT FENCE (SEE NOTE 5)
	PROPOSED SUPER SILT FENCE (SEE DETAIL MVP-ES9.2)
	PROPOSED REINFORCED FILTRATION DEVICE (SEE DETAILS MVP-ES9, 9.1, 9.2, 9.3)
	ORANGE CONSTRUCTION SAFETY FENCE
	PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)
	PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)
	PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)
	PROPOSED COMPOST FILTER SOCK (SEE DETAILS MVP-ES3, 3.1, 3.2)
	GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)
	CLEAN WATER DIVERSION PIPE
	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)



THIS PE SEAL APPLIES ONLY TO REVISIONS DATED 08-03-2023

**NOTES:**

- TOPSOIL SEGREGATION TO BE CONDUCTED THROUGHOUT THE JEFFERSON NATIONAL FOREST.
- FLEXTERA, 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 TIMBER MATS. 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.

NO.	DATE	CHKD.	APPD.	DESCRIPTION
1	08/03/23	JUZ	IHH	REVISE CRB LIMITS TO AVOID TREES
2	06/10/19	GAR	RE	ADDED EXISTING ROAD EDGES PER SURVEY
3	06/07/19	GAR	RE	ADDRESS VADER COMMENTS TO G-5 FIELD MODIFICATION SUBMITTAL
4	02/09/19	JMK	RE	ADDRESS VADER COMMENTS TO G-5 FIELD MODIFICATION SUBMITTAL
5	04/30/18	JMK	RE	FIELD MODIFICATION
6	03/16/18	KAL	RE	ADDRESS VADER COMMENTS

**Mountain Valley Pipeline**  
**EROSION AND SEDIMENT CONTROL PLANS**  
**MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE**  
 SPREAD 8 - GILES COUNTY, VIRGINIA

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

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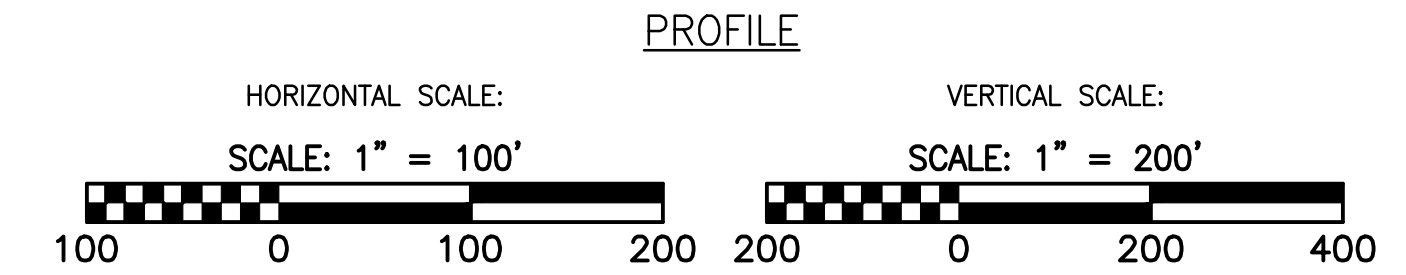
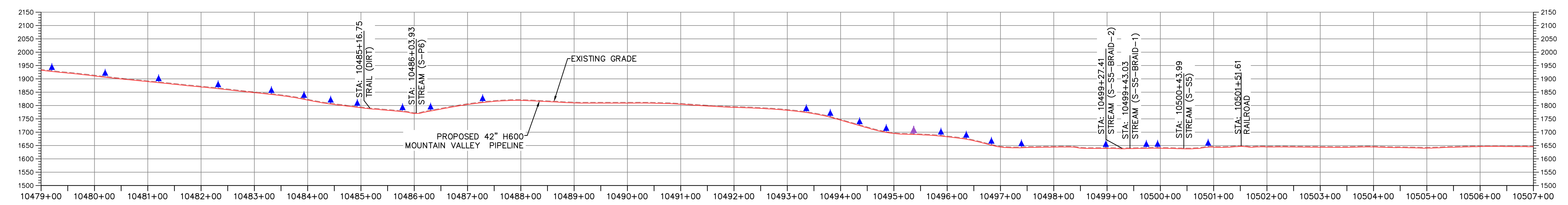
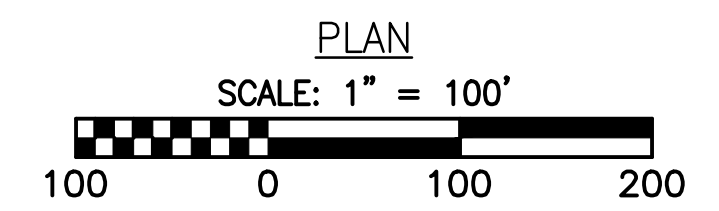
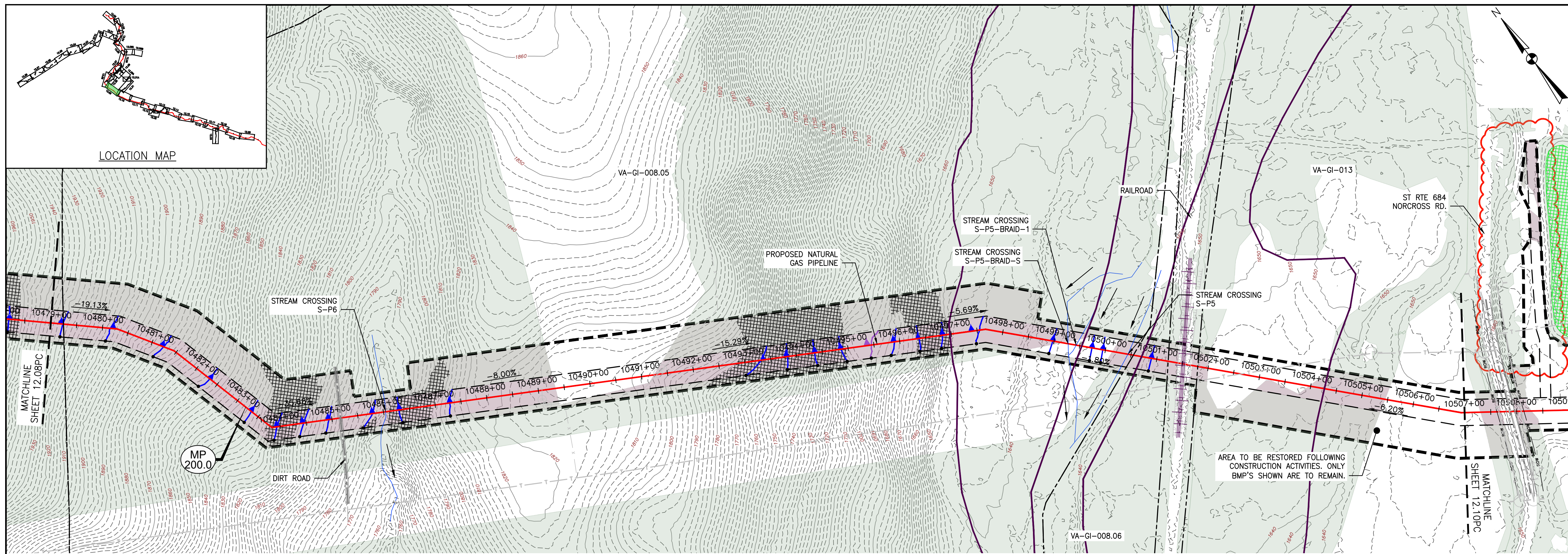
661 ANDERSEN DRIVE  
 FOSTER PLAZA 7  
 PITTSBURGH, PA 15220

**EROSION AND SEDIMENT CONTROL PLANS**

COMMONWEALTH OF VIRGINIA  
**DAVID J. WALLNER**  
 Lic. No. 0402057593  
 6/10/2019  
 PROFESSIONAL ENGINEER

DRAWN BY:	JUZ
CHECKED BY:	IHH
APPROVED BY:	DCW
DATE:	08/03/2023
SCALE:	AS SHOWN
SHT. NO.	12.09ES OF 12.34ES

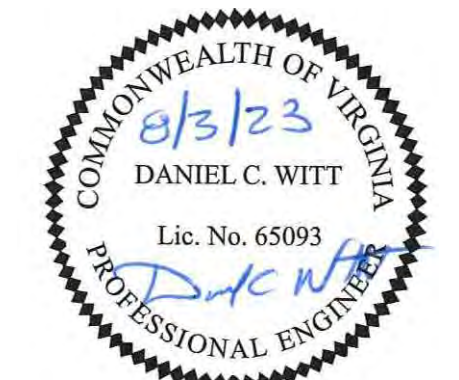




- LEGEND**
- EXISTING CULVERT
  - STREAM
  - - - EXISTING PROPERTY LINE
  - - - EXISTING STATE LINE
  - - - EXISTING COUNTY LINE
  - - - EXISTING ROAD/TRAIL
  - USDA FOREST SERVICE (NATIONAL FOREST) LANDS
  - APPALACHIAN NATIONAL SCENIC TRAIL
  - AFM — ACID FORMING MATERIAL
  - GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)
  - - - PROPOSED LIMIT OF DISTURBANCE
  - - - PROPOSED PERMANENT RIGHT OF WAY
  - PROPOSED LEVEL SPREADER DIVERSION
  - PROPOSED LEVEL SPREADER
  - - - 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 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.

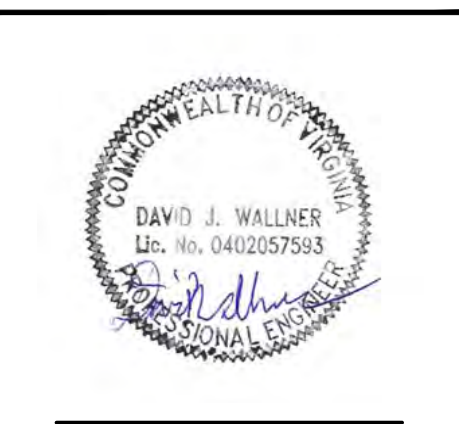


NO.	DATE	CHKD.	APPD.	DESCRIPTION
1	08/03/23	IHH	DCW	REVISE CPGB LIMITS TO AVOID TREES
2	04/30/18	KAL	DW	FIELD MODIFICATION
3	03/21/18	KAL	DW	ADDRESS VADOC COMMENTS
4	03/16/18	KAL	DW	ADDRESS VADOC COMMENTS
5	02/16/18	KAL	DW	RESUBMISSION USING APPROVED STORMWATER METHODOLOGY
6	02/05/18	KAL	DW	RESUBMISSION USING APPROVED STORMWATER METHODOLOGY

POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS  
MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE  
SPREAD 8 - GILES COUNTY, VIRGINIA  
MOUNTAIN VALLEY PIPELINE, LLC  
2200 ENERGY DRIVE  
CANONSBURG, PA 15317

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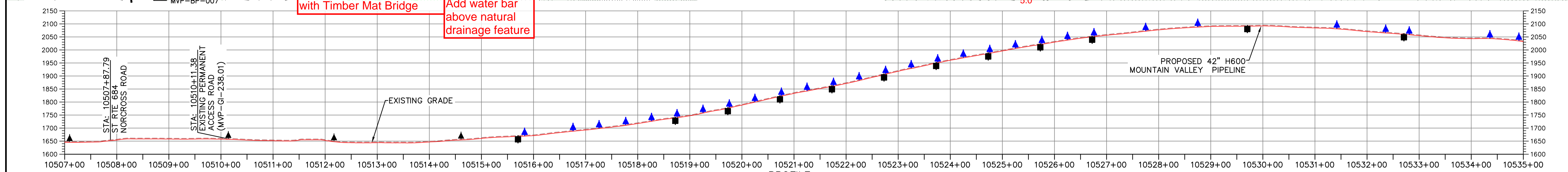
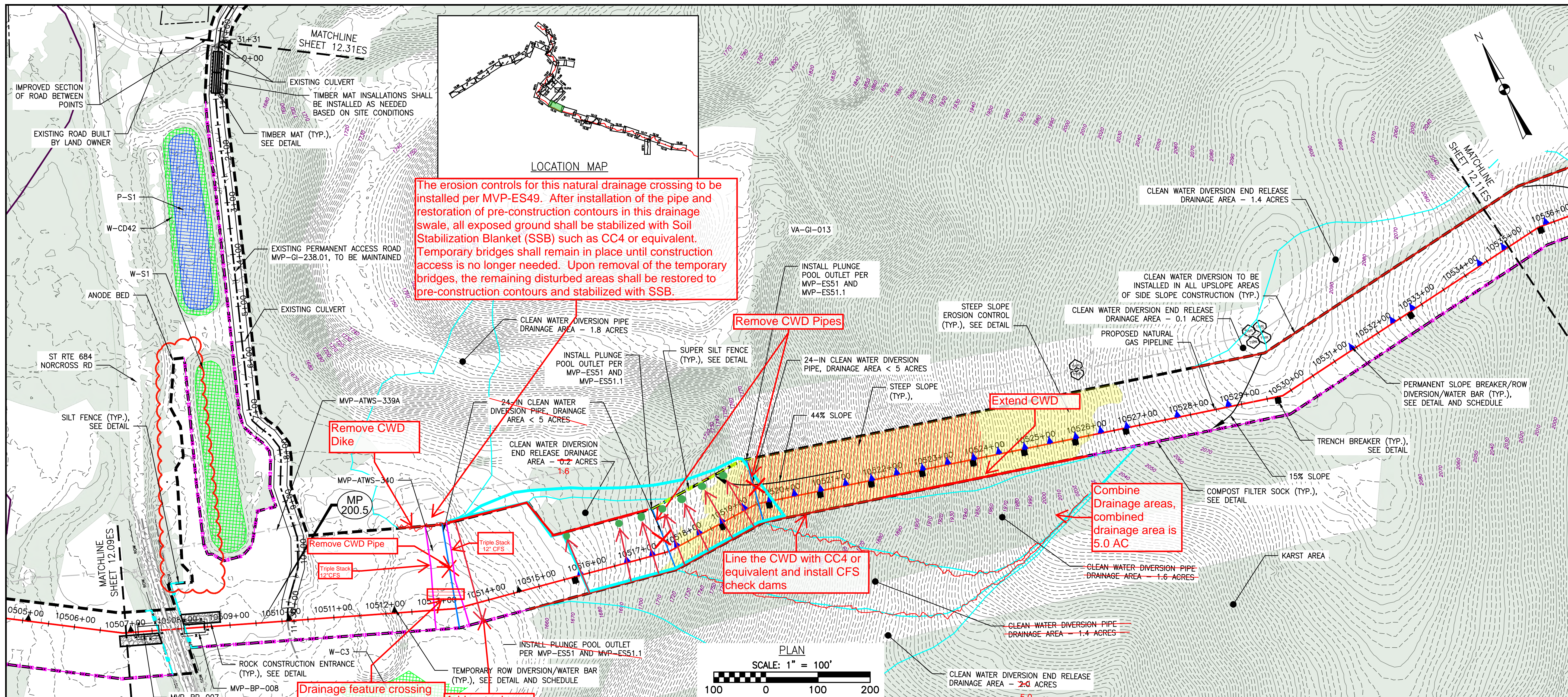
POST CONSTRUCTION  
(STORMWATER &  
RESTORATION) PLANS



THIS PE SEAL APPLIES ONLY TO REVISIONS DATED 08-03-2023

DRAWN BY:	JUZ
CHECKED BY:	IHH
APPROVED BY:	DCW
DATE:	08/03/2023
SCALE:	AS SHOWN
SHT. NO. 12.09PC OF	12.33PC





**LEGEND**

--- PROPOSED LIMIT OF DISTURBANCE	--- PROPOSED ACCESS ROAD CENTERLINE
--- STREAM	--- PROPOSED PIPELINE
--- USDA FOREST SERVICE (NATIONAL FOREST) LANDS	--- PROPOSED SILT FENCE (SEE NOTE 5)
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--- ACID FORMING MATERIAL	--- CLEAN WATER DIVERSION PIPE
--- EXISTING FOREST	--- CLEAN WATER DIVERSION DIKE (SEE DETAIL MVP-ES50 AND MVP-ES51)

**PLAN SCALE: 1" = 100'**

**PROFILE SCALE: 1" = 200'**

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	06/10/19	RE	DW	ADDED EXISTING ROAD EDGES PER SURVEY
	08/03/23	JUZ	DW	REVISE CPGB LIMITS TO AVOID TREES
	09/05/23	IHH	DCW	REVISE CLEAN WATER DIVERSIONS

**Mountain Valley Pipeline**  
**EROSION AND SEDIMENT CONTROL PLANS**  
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 SPREAD 8 - GILES COUNTY, VIRGINIA  
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**EROSION AND SEDIMENT CONTROL PLANS**

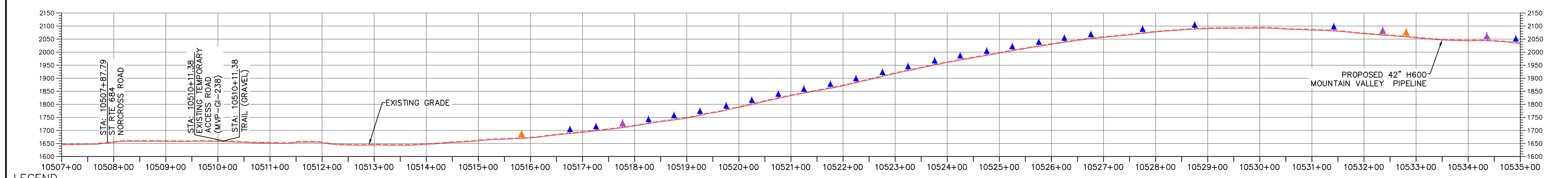
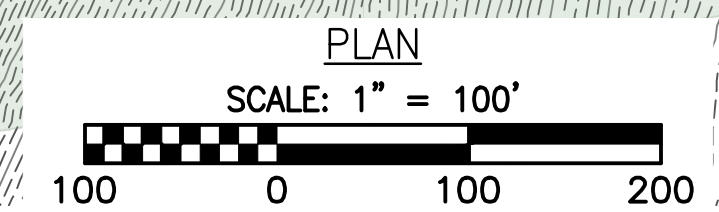
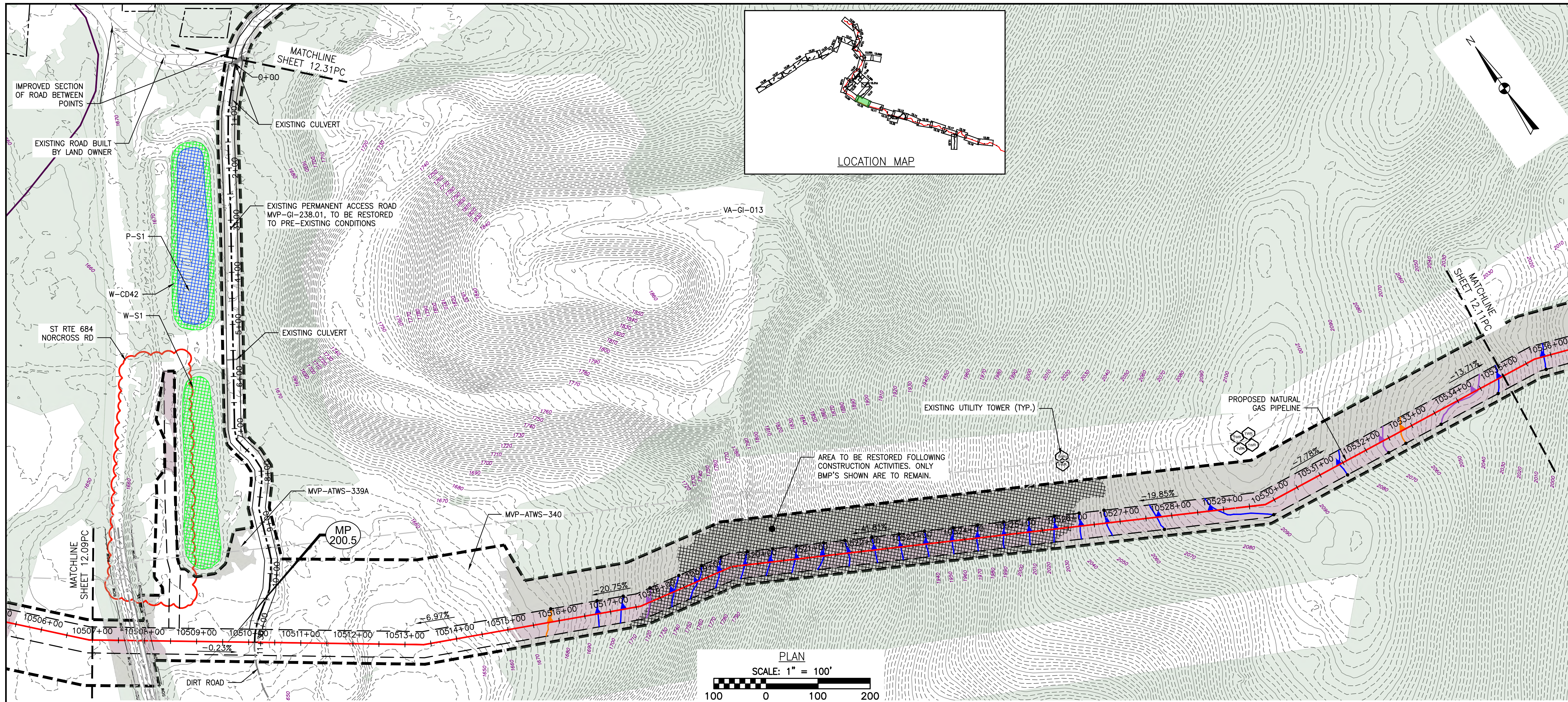
COMMONWEALTH OF VIRGINIA  
 DANIEL C. WITT  
 Lic. No. 65093  
 PROFESSIONAL ENGINEER

THIS SEAL ONLY APPLIES TO REVISIONS DATED 9-05-23

DAVID J. WALLNER  
 Lic. No. 0402057593  
 PROFESSIONAL ENGINEER

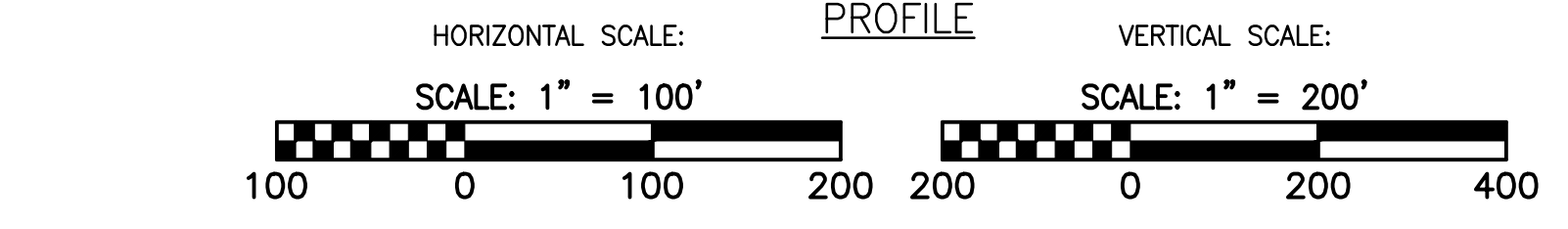
DRAWN BY: JUZ  
 CHECKED BY: IHH  
 APPROVED BY: DCW  
 DATE: 08/03/2023  
 SCALE: AS SHOWN  
 SHT. NO. 12.10ES OF 12.34ES





**LEGEND**

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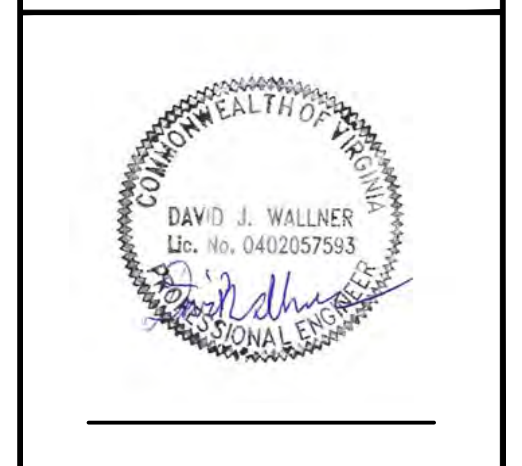
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**POST CONSTRUCTION (STORMWATER & RESTORATION) PLANS**



DRAWN BY:	JUZ
CHECKED BY:	IHH
APPROVED BY:	DCW
DATE:	08/03/2023
SCALE:	AS SHOWN
SHT. NO. 12.10PC OF 12.33PC	REVISION



Date: 09/27/2023

Re: Review of Major Plan Modifications in Virginia

To fulfill the requirement in Mountain Valley Pipeline, LLC's (MVP) Annual Standards & Specifications (AS&S) for the Program Administrator to review and approve major modifications to ESC plans, SWM plans, and SWPPPs, MVP's certified Plan Reviewer has provided me with copies of the major modifications for final review and approval by DEQ. The following revisions have been approved by MVP's certified Plan Reviewer:

**Project:** Mountain Valley Pipeline Project—H600 Line

**Submittal/Modification Name:** Norcross Road CWD Revisions

**Files Included:** MVP\_RTC Norcross Road CWD \_9-27-23.pdf

SP8 12.10ES\_9-5-23.pdf - Revised Spread 8 ESC Plan Sheet No. 12.10ES

Red line sheet for LOD reduction Spread 8 PC Plan Sheet No. 12.10PC

Red line sheet for LOD reduction Spread 8 ESC Plan Sheet No. 12.09ES

Red line sheet for LOD reduction Spread 8 PC Plan Sheet No. 12.09PC

I have verified that each modification as being consistent with MVP's AS&S. Based on my review of the attached information, I hereby approve the major modifications noted therein.

A handwritten signature in blue ink, appearing to read "Cory Chalmers".

Cory Chalmers  
Senior Environmental Coordinator & Lead Program Administrator  
Mountain Valley Pipeline

cc: MVP certified Plan Reviewer (email)