WETLAND BIOLOGICAL CONDITIONS
ENVIRONMENTAL AUDITOR REPORT

Version 2.2

Wetland Studies and Solutions, Inc.® a DAVEY company

Wetland ID: W-A8	**Crossing Start Date:** 10/26/2023	**Crossing Completion Date:** 10/28/2023
Milepost: 278.3	**Pre-Con Assessment Date:** 10/26/2023	**Post-Con Assessment Date:** 10/28/2023
Station: 14722+11	**Cowardin Classification:** PEM **(PEM, PFO, PSS, POW)**	**Wetland Impact Area (sq ft.):** 670.82
County: Franklin		

Item #	Resource Crossing Conditions	N/A	YES	NO
1.	Were equipment mats or other suitable methods utilized under heavy equipment to minimize soil compaction and disturbance in wetlands?		X	
2.	Was the existing vegetation removed prior to initiating land disturbance within the resource?		X	
3.	Was the top 1-foot (12-inches) of wetland soil segregated and stockpiled separate from trench spoils?		X	
4.	Was excess material not needed for backfill removed and disposed of in an upland area?		X	
5.	Was the top 12-inches of backfill made with clean native wetland topsoil?		X	
6.	Were standard decompaction practices (disking, plowing, cultivating, tilling, or incorporation of organic matter into the topsoil horizon) implemented prior to applying seed?		X	
7.	Was wetland topsoil replaced and temporarily seeded?		X	
8.	Was permanent seed applied to unsaturated wetlands?		X	
9.	Was equipment/timber matting removed from the wetland area properly by vertically lifting, and not pulling through the impact area.		X	
10.	Were impervious trench breakers/plugs properly installed within 25-feet of the resource to prevent subsurface erosion to or from the resource area?		X	
11.	Was the pre-construction survey data provided and utilized during restoration in attempt to maintain the original surface hydrology, and were contours re-established to pre-construction conditions to maintain overland flow patterns?		X	
12.	Have civil surveys been scheduled to verify as-built conditions meet pre-construction conditions in accordance with the project Mitigation Framework and federal/state permit requirements?		X	
13.	Was the time of disturbance minimized by conducting resource work continuously to completion?		X	
14.	Does the post-construction square footage of wetland area appear to be restored to meet or exceed the pre-construction area square footage?		X	
15.	Are bareroot saplings required and/or scheduled to be planted for the dormant season (10/1 – 4/30) in PFO classified wetlands?	X		
16.	Did any unauthorized discharges to unpermitted resources occur during the crossing? If so, explain the corrective actions implemented in the Comments section and include additional photos.			X

Item #	Biological Conditions	Pre-Con	Post-Con
17.	**Wetland Saturation:** *Are surface waters, the water table, and/or overall soil saturation present? (Select Yes or No)*	Yes	Yes
18.	**Resource Alterations: Are the wetland soil conditions visibly disturbed?** **Examples:** *Livestock presence, haul roads, farm traffic, drain tiles, recent mowing/clear cutting, recent excavating/disking of soils, etc.* **Rating:** *1-Negligible (undisturbed/natural resource), 2-Minor (20-40% of resource disturbed by alterations), 3-Moderate (40-80% of resource disturbed), 4-Poor (>80% of resource disturbed)*	2 - Minor	2 - Minor
19.	**Is vegetation present within the permitted impact area prior to disturbance? (Pre-Con)** **Are areas properly seeded and stabilized after restoration? (Post-Con)** **Rating:** *1-Optimal (60-100% heavy vegetative cover), 2-Sub-optimal (30-60% mixed vegetative coverage), 3-Marginal (<30% vegetative coverage), 4-Poor (Mowed/maintained area or farmland, impervious area, sparsely vegetative coverage, etc.)*	2 - Suboptimal	3 - Marginal

Comments/Remarks

10-13-2023: Pre-con meeting MVP EI Keith, Davis Forman Kevin Greene, open-cut crossing, discussed soil management, dewatering structure, wetland topsoil will be stockpiled on existing wetland topsoil. This resource is being crossed in conjunction with resource S-A18. -D. Fraise

10-14 to 10-25-2023: No activity within the resource area.

10-26-2023: Pre-construction auditor assessment. Construction started within resource impact area. Removed two buckets of wetland topsoil and placed on top of existing wetland topsoil. Upland topsoil was removed and stockpiled inside 50ft. buffer area. Top 12in. of stream substrate was removed from S-A18 and stored in Super Sak to prevent mixing. Trenching was completed. Subsoil stockpiled in proper upland area. Lowered pipe into trench and began welding to tie in pipe. -D. Fraise

10-27-2023: Pipe welding completed, and QC x-rayed. Coated the welds and sand blasted. Backfilling started and pipe was padded with subsoil. -D. Fraise

10-28-2023: Wetland topsoil restored and survey was on-site assisting with final grade for reconstruction. Trench was backfilled within both 50-foot buffer zones, installed compost filter sock, seeded with temporary & permeant mixes then mulched with CFS installed at 10 & 50 ft buffer zones and wetland boundary. Post-construction auditor assessment and documentation completed. -D. Fraise

No impact to biological conditions or unauthorized discharges were observed during the crossing activities.

In accordance with the Mountain Valley Pipeline Consent Decree, dated October 11, 2019, this independent report was completed to document the on-site monitoring of instream invertebrate and fisheries resources during all construction activity related to waterbody and wetland crossings, and document instream conditions and any impacts to the resources.

This report was written by	Darrell Fraise *Print Name*	Darrell F. *Signature*	10/30/2023 *Date*

Required Photos

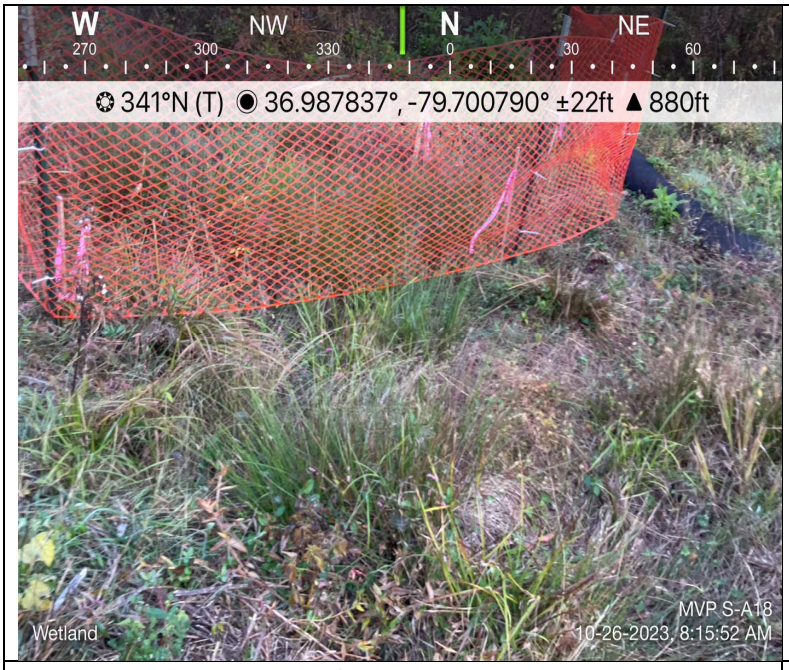

Photo Description: View of permitted resource impact area during pre-construction assessment.

Photo Description: At edge of LOD, view of unpermitted resource area conditions during pre-construction assessment.

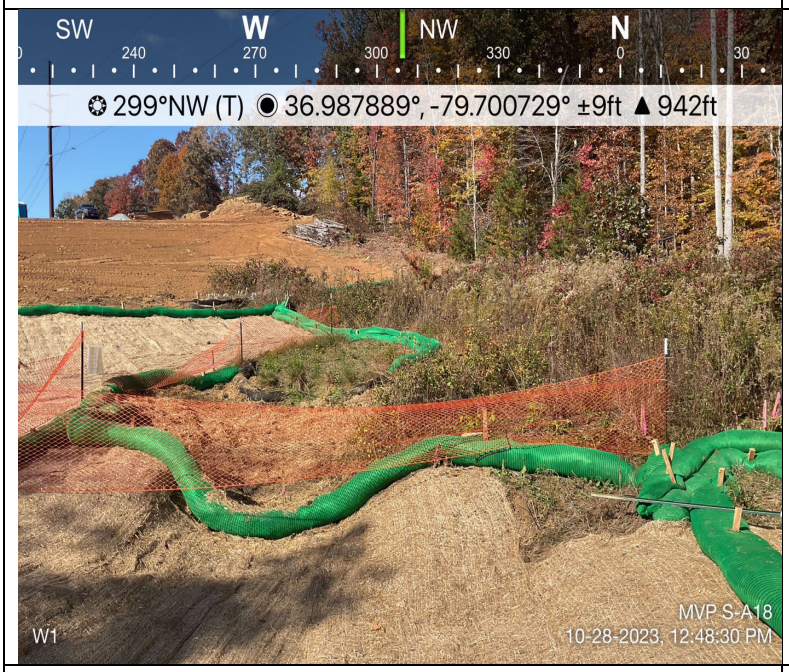

Photo Description: View of permitted resource impact area during post-construction assessment.

Photo Description: At edge of LOD, view of unpermitted resource area conditions during post-construction assessment.

Optional Additional Photos

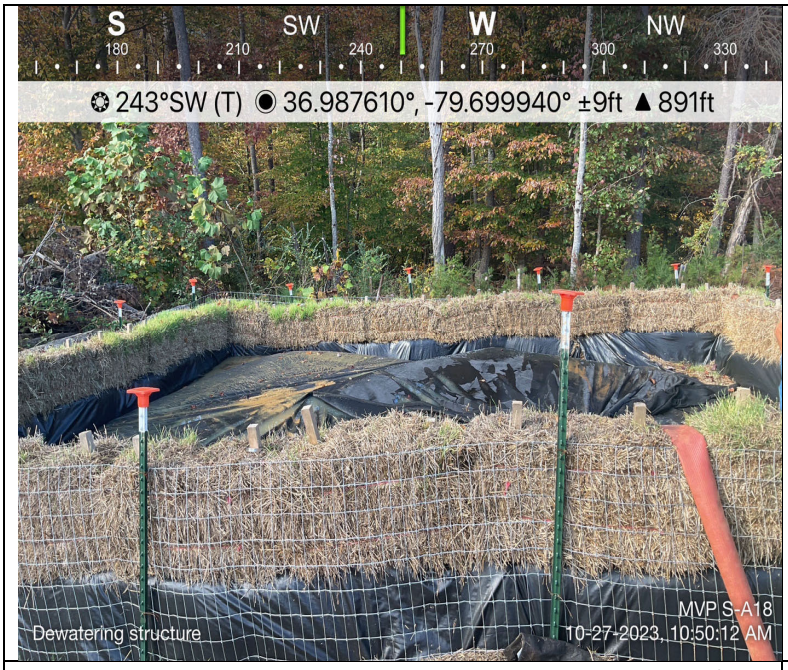

Photo Description: Dewatering structure available on site for combined crossing.

Photo Description: Dam and pumps installed on-site for stream and wetland crossing.

Photo Description: Trench breaker installation.

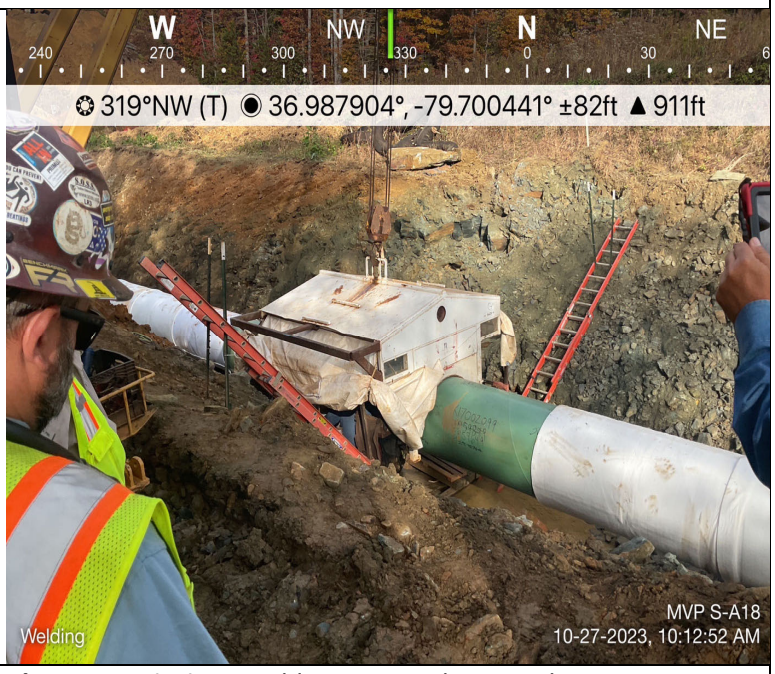

Photo Description: Welding pipe within trench.