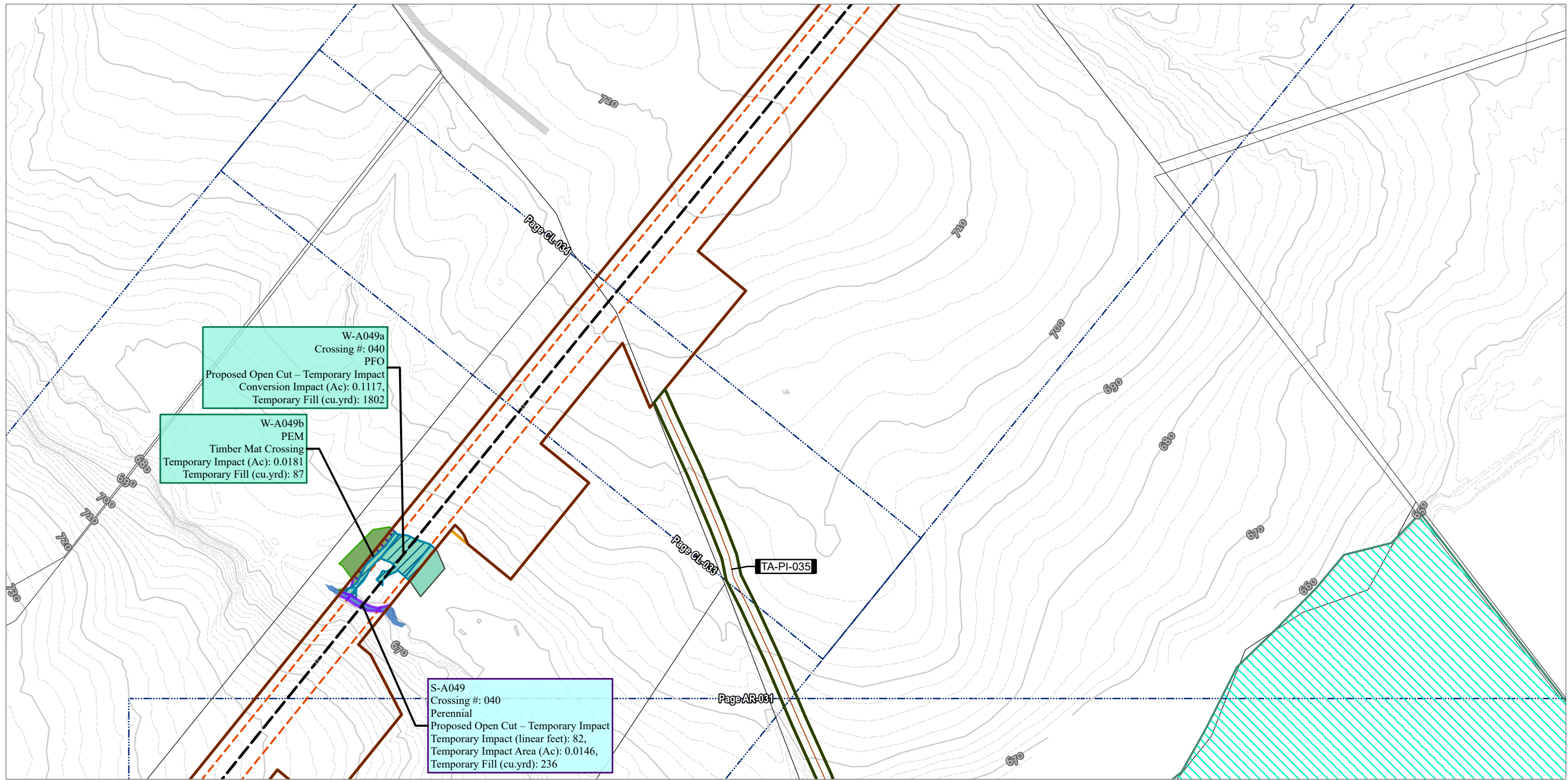



Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\PI2-APRX\Southgate\PI2-DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps; 11x17L



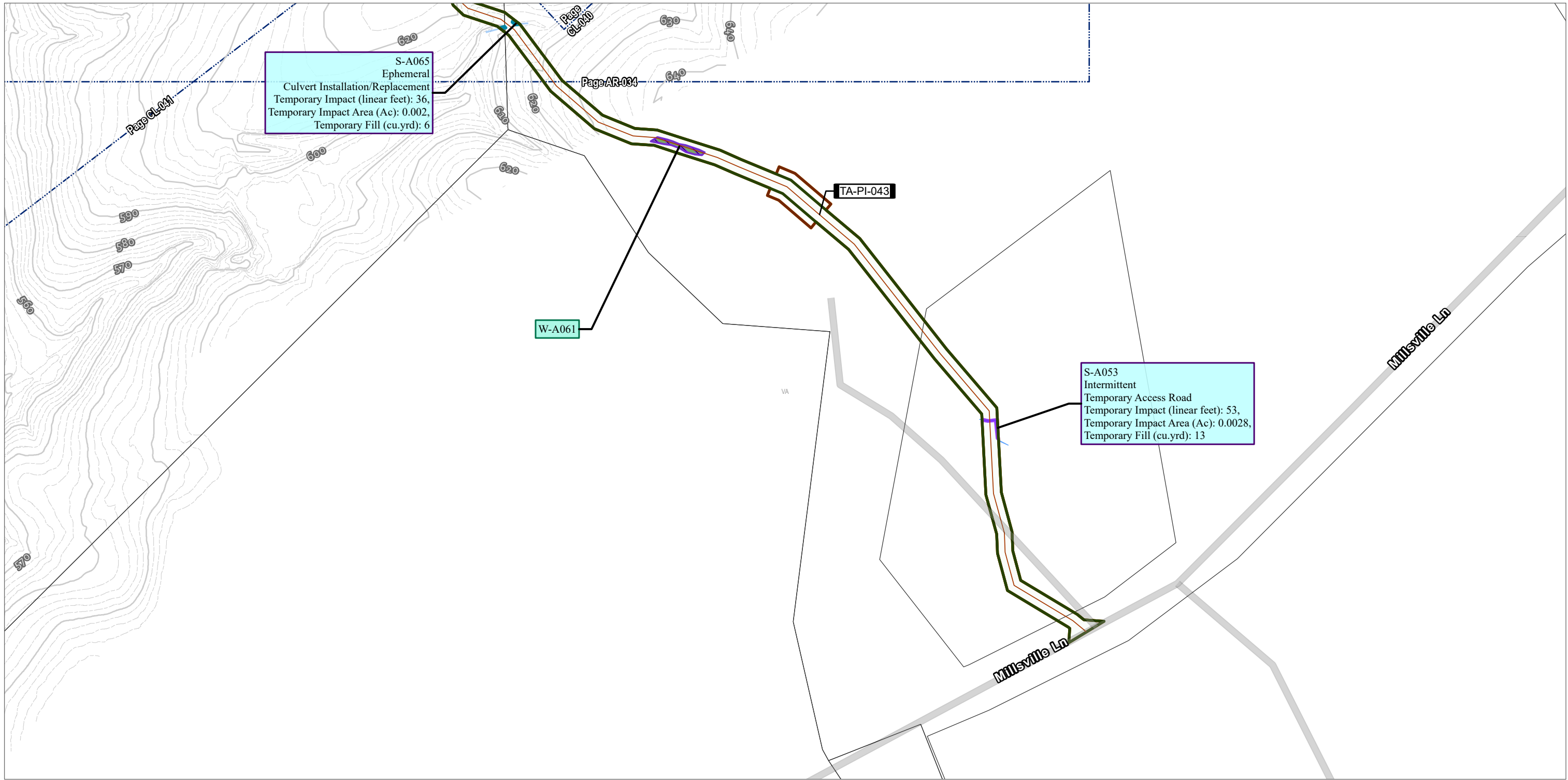
<ul style="list-style-type: none">TENTH MILE POSTH-650 PIPELINETEMPORARY ACCESS ROADTEMPORARY ACCESS ROAD	<ul style="list-style-type: none">OPERATIONAL WORKSPACESURVEY AREALIMITS OF CONSTRUCTION WORKSPACESTREAM IMPACT<ul style="list-style-type: none">TEMPORARYPERENNIAL SURFACE WATERWETLAND IMPACT<ul style="list-style-type: none">TEMPORARYCONVERSIONPALUSTRINE EMERGENTPALUSTRINE FORESTED	<ul style="list-style-type: none">ELEVATION - CONTOUR - INDEXELEVATION - CONTOUR - INTERMEDIATEADJACENT SHEETEASEMENTS (VA)PARCEL BOUNDARYCOUNTY BOUNDARY
--	--	--

NOTES:
1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.
2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS

0 100 200
FEET
1:2,400 1" = 200'

PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 93 AR-032
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE:	SOUTHGATEIP_DATAPROCESSING.APRX

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 942 VA Wetland and Waterbody Impact Maps, 11x17L



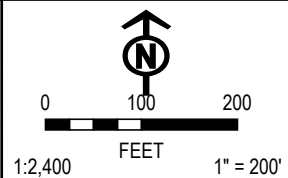
TEMPORARY ACCESS ROAD
TEMPORARY ACCESS ROAD

SURVEY AREA
LIMITS OF CONSTRUCTION WORKSPACE
STREAM IMPACT
TEMPORARY
PERMANENT
EPHEMERAL SURFACE WATER
INTERMITTENT SURFACE WATER
WETLAND IMPACT
TEMPORARY
PALUSTRINE EMERGENT

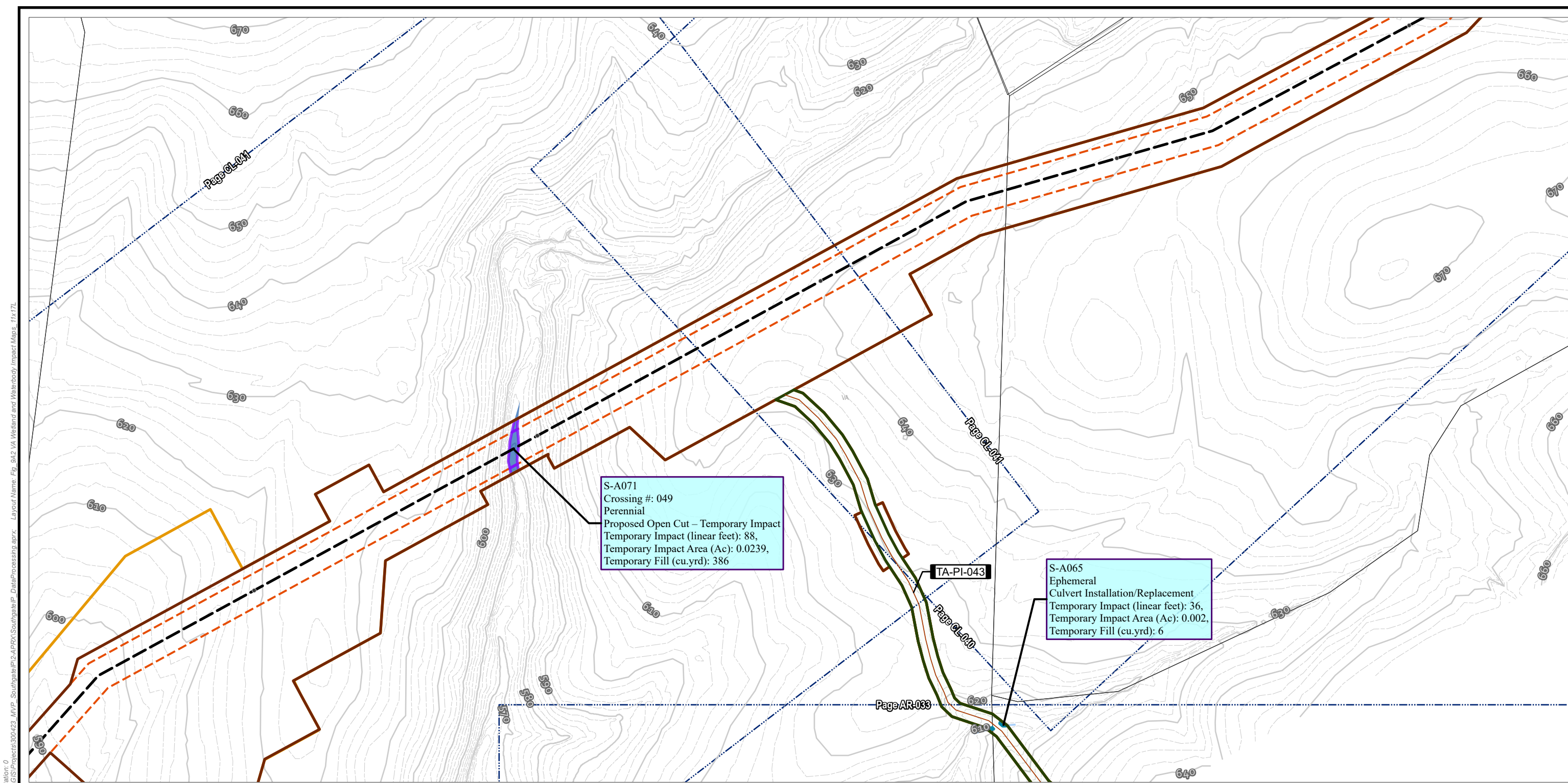
ELEVATION - CONTOUR - INDEX
ELEVATION - CONTOUR - INTERMEDIATE
ADJACENT SHEET
PARCEL BOUNDARY
COUNTY BOUNDARY



NOTES:
1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.
2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS



PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 94 AR-033
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
TRC	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	



- TENTH MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERMANENT

EPHEMERAL SURFACE WATER

PERENNIAL SURFACE WATER

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY
- NOTES:

1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.

2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS
- N

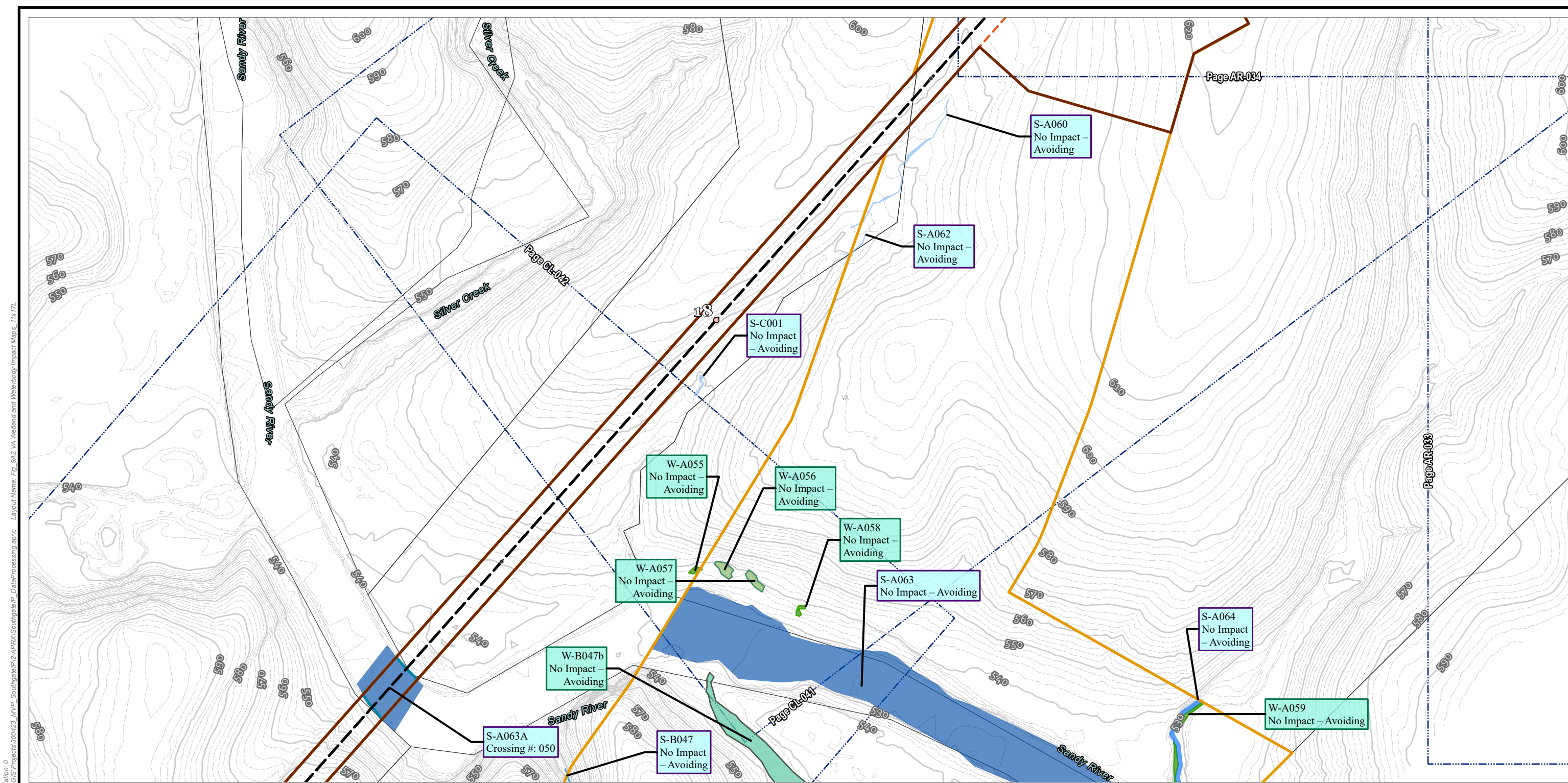
0

100

200

FEET

1" = 200'
- | | | | |
|---|--------------------|---|--|
| PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia | | | |
| TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT | | | |
| DRAWN BY: J. THOMAS | PROJ. NO.: 300423 | | |
| CHECKED BY: A. HORRIE | PAGE: 95
AR-034 | | |
| APPROVED BY: M. TACKEL | | | |
| DATE: APRIL 2025 | | | |
| | | 10007 E 59TH STREET
TULSA, OK 74146
PHONE: 918.496.0400 | |
| | | FILE: SOUTHGATEIP_DATAPROCESSING.APRX | |
- Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_SouthgateIP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps, 11x17L



TENTH MILE POST

MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

PERMANENT

EPHEMERAL SURFACE WATER

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

PALUSTRINE SCRUB-SHRUB

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

0

100

200

FEET

1:2,400

1" = 200'

PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia

TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT

DRAWN BY: J. THOMAS

CHECKED BY: A. HORRIE

APPROVED BY: M. TACKEL

DATE: APRIL 2025

PROJ. NO.: 300423

PAGE: 96
AR-035

TRC

10007 E 59TH STREET
TULSA, OK 74146
PHONE: 918.496.0400

FILE: SOUTHGATEIP_DATAPROCESSING.APRX

NOTES:

1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.

2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS

0

100

200

FEET

1:2,400

1" = 200'

PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia

TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT

DRAWN BY: J. THOMAS

CHECKED BY: A. HORRIE

APPROVED BY: M. TACKEL

DATE: APRIL 2025

PROJ. NO.: 300423

PAGE: 96
AR-035

TRC

10007 E 59TH STREET
TULSA, OK 74146
PHONE: 918.496.0400

FILE: SOUTHGATEIP_DATAPROCESSING.APRX

NOTES:

1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.

2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS

0

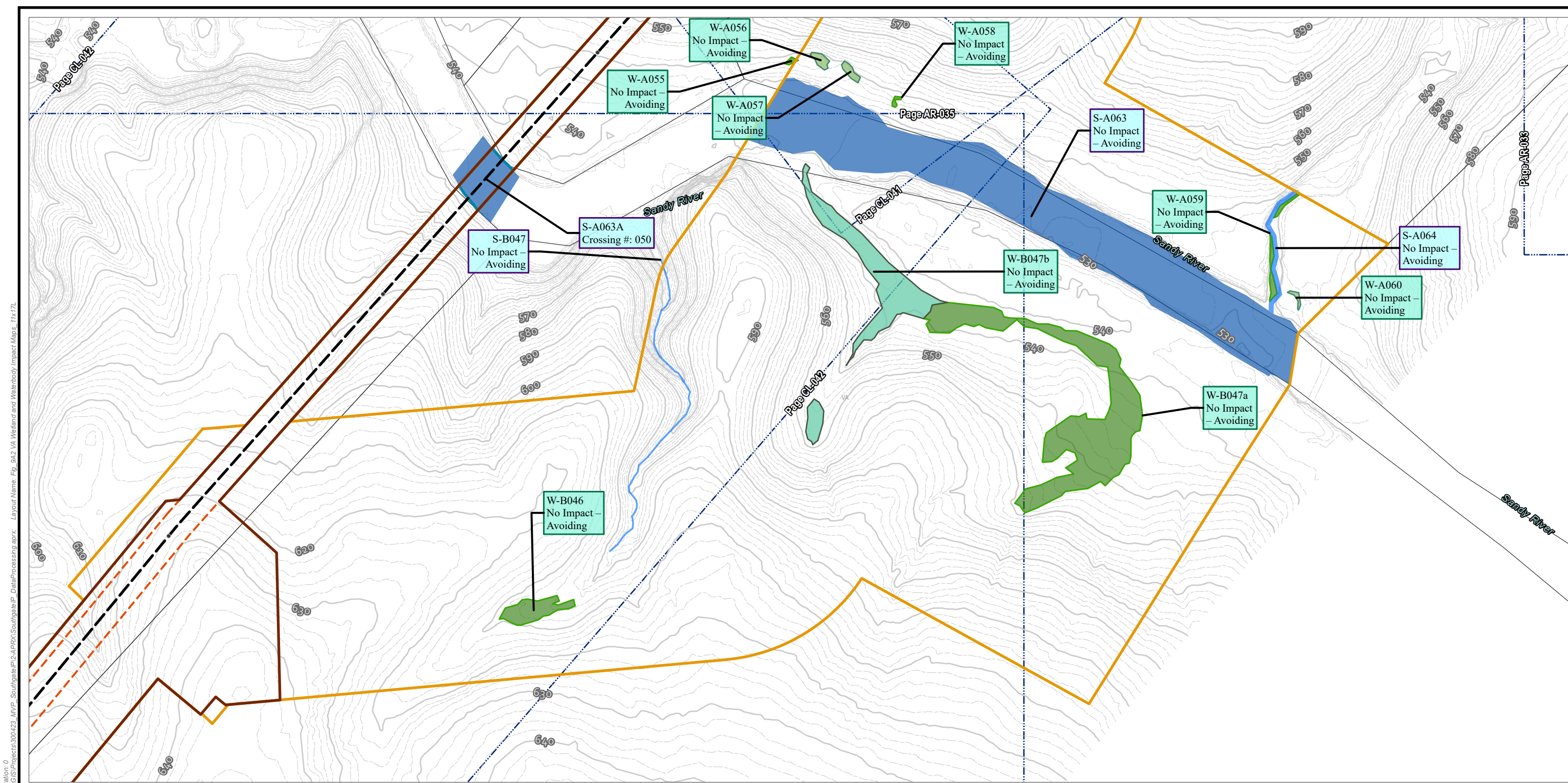
100

200

FEET

1:2,400

1" = 200'



- TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

PERMANENT

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

PALUSTRINE SCRUB-SHRUB

ELEVATION - CONTOUR - INDEX

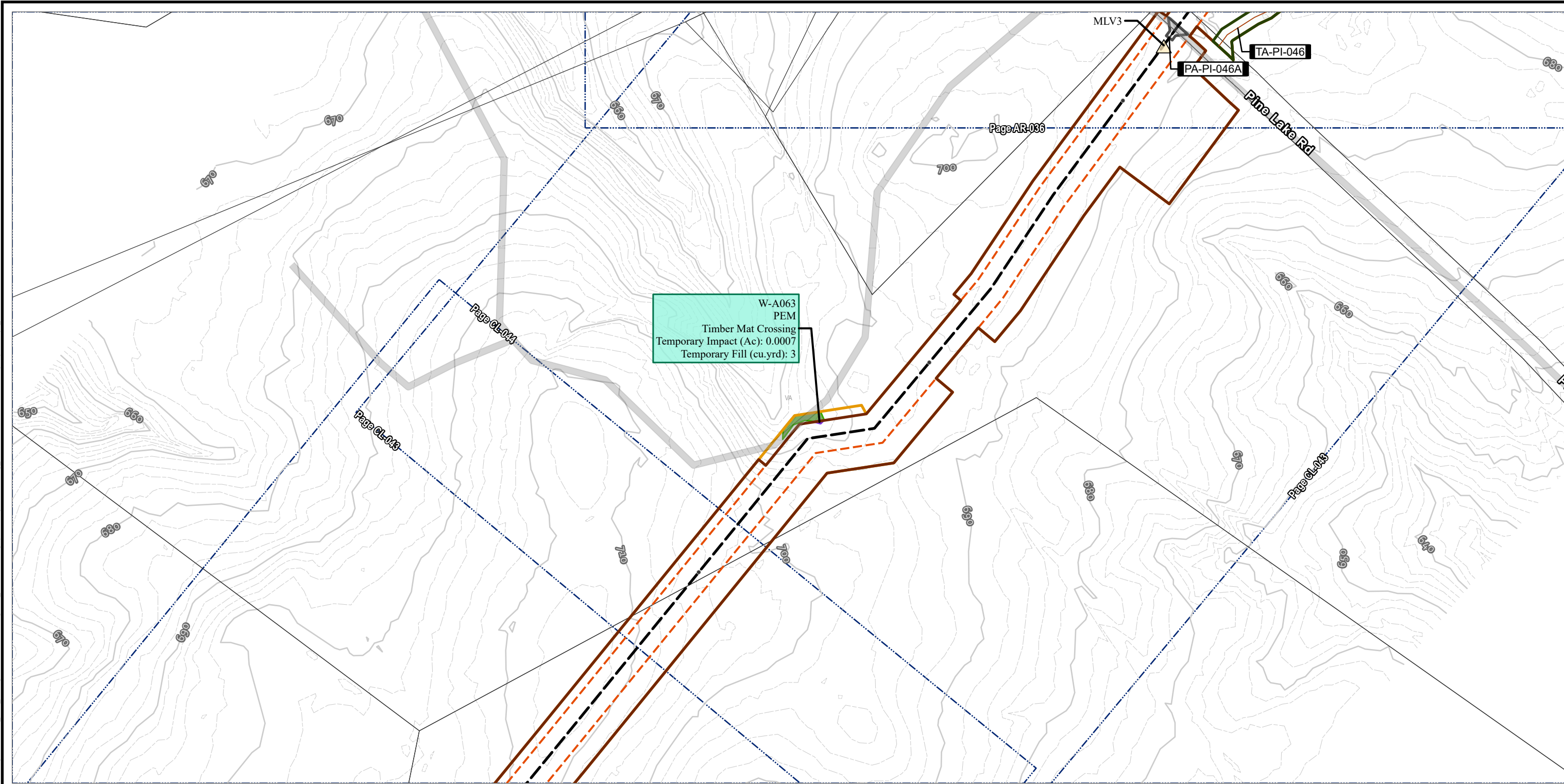
ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

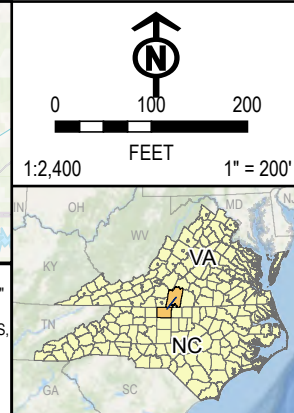
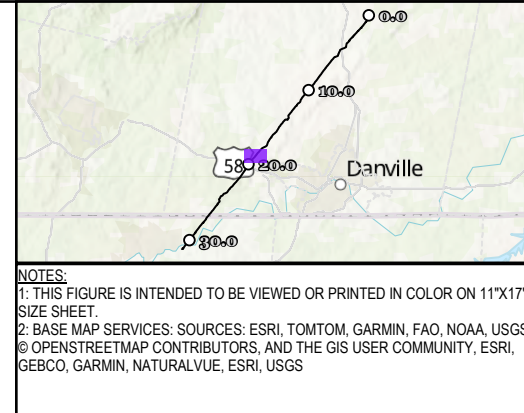
PARCEL BOUNDARY

COUNTY BOUNDARY
-
-
- | | |
|---|--------------------|
| PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia | |
| TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT | |
| DRAWN BY: J. THOMAS | PROJ. NO.: 300423 |
| CHECKED BY: A. HORRIE | PAGE: 97
AR-036 |
| APPROVED BY: M. TACKEL | |
| DATE: APRIL 2025 | |
| <div><div></div><div>TRC</div></div> <div>10007 E 59TH STREET
TULSA, OK 74146
PHONE: 918.496.0400</div> | |
| FILE: SOUTHGATEIP_DATAPROCESSING.APRX | |
- Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps; 11x17L

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\PI2-APRX\Southgate\PI2-APRX\Wetland and Waterbody Impact Maps_11x17L

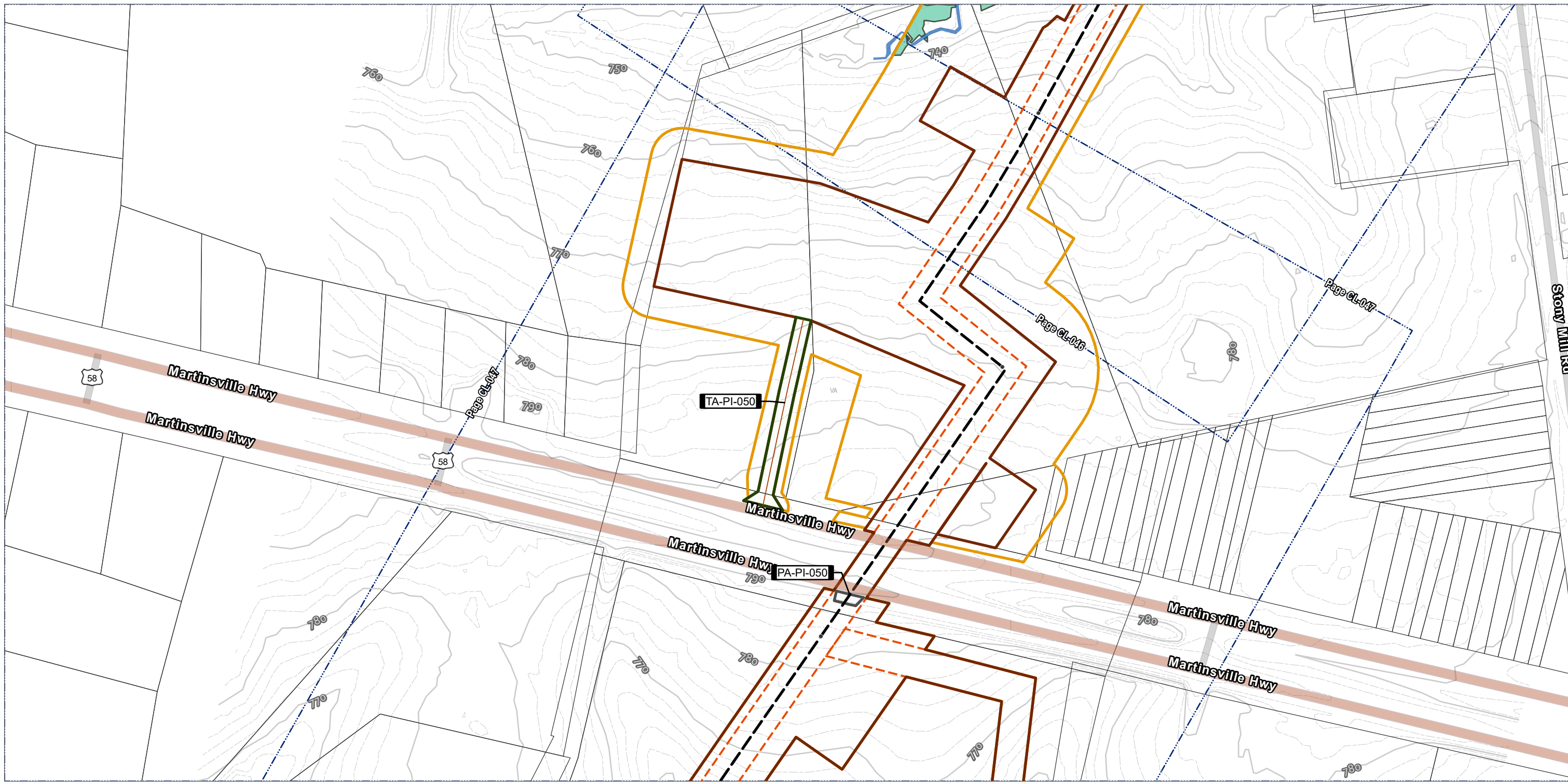


- | | | |
|-----------------------|----------------------------------|------------------------------------|
| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| MAIN LINE VALVE | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| H-650 PIPELINE | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| PERMANENT ACCESS ROAD | WETLAND IMPACT | PARCEL BOUNDARY |
| TEMPORARY ACCESS ROAD | TEMPORARY | COUNTY BOUNDARY |
| TEMPORARY ACCESS ROAD | PALUSTRINE EMERGENT | |
| PERMANENT ACCESS ROAD | | |

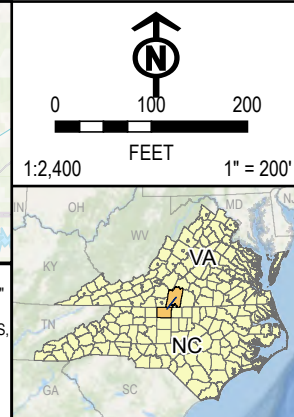
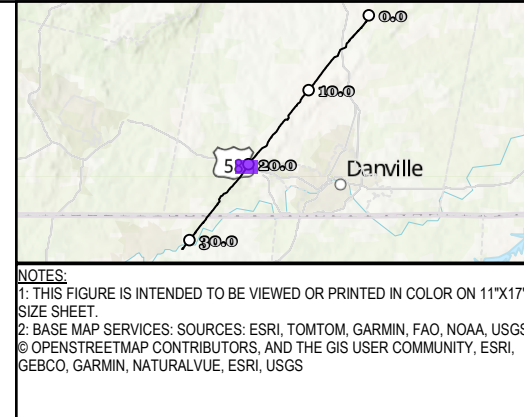


PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 99 AR-038
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	

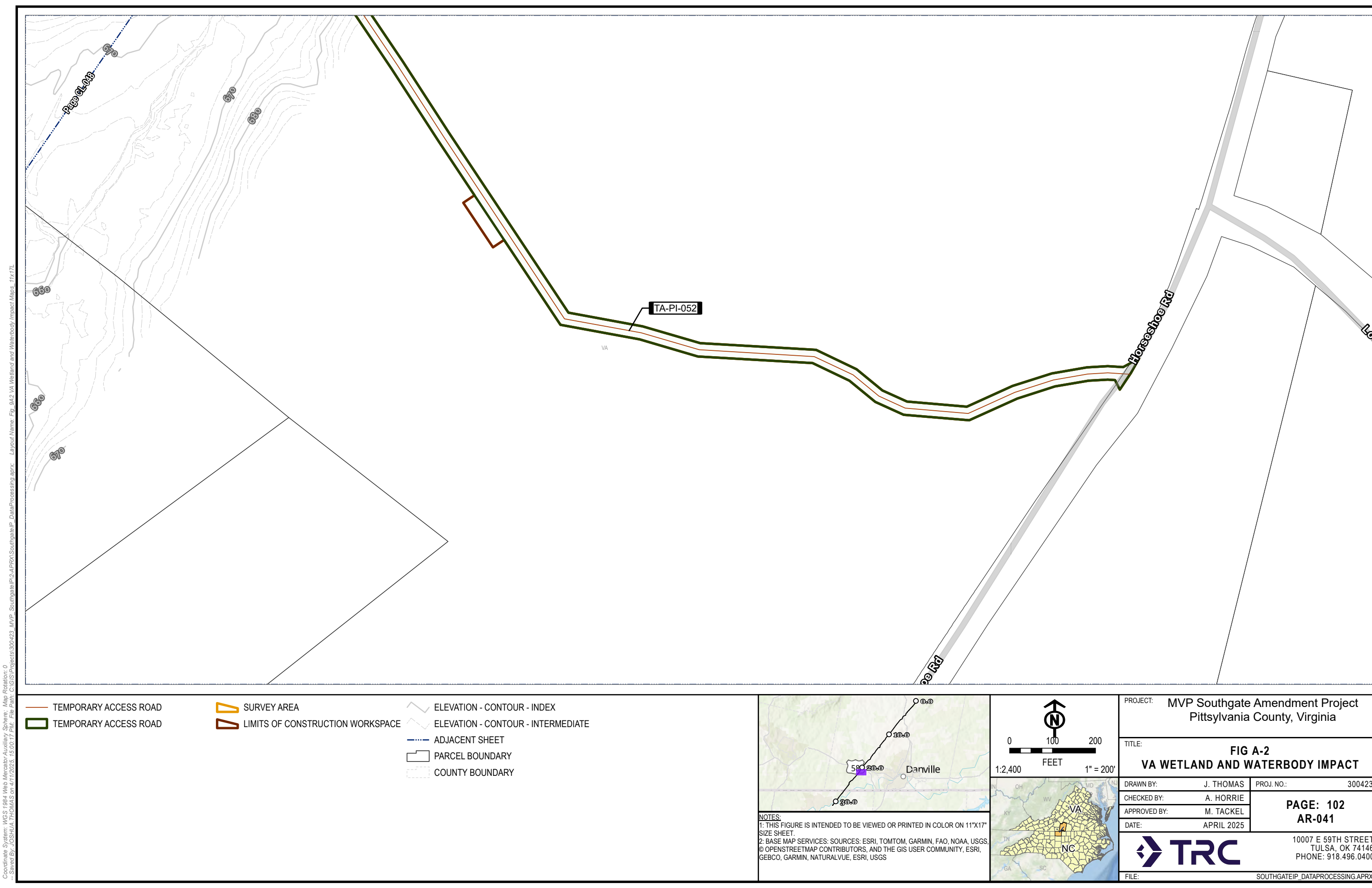
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps, 11x17L



- | | | |
|-----------------------|----------------------------------|------------------------------------|
| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| H-650 PIPELINE | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| PERMANENT ACCESS ROAD | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| TEMPORARY ACCESS ROAD | PERENNIAL SURFACE WATER | PARCEL BOUNDARY |
| TEMPORARY ACCESS ROAD | PALUSTRINE FORESTED | COUNTY BOUNDARY |
| PERMANENT ACCESS ROAD | | |



PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 100 AR-039
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	



Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP12-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 942 VA Wetland and Waterbody Impact Maps, 11x17L

- TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD
- SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE
- ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:

1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.

2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS

N

0

100

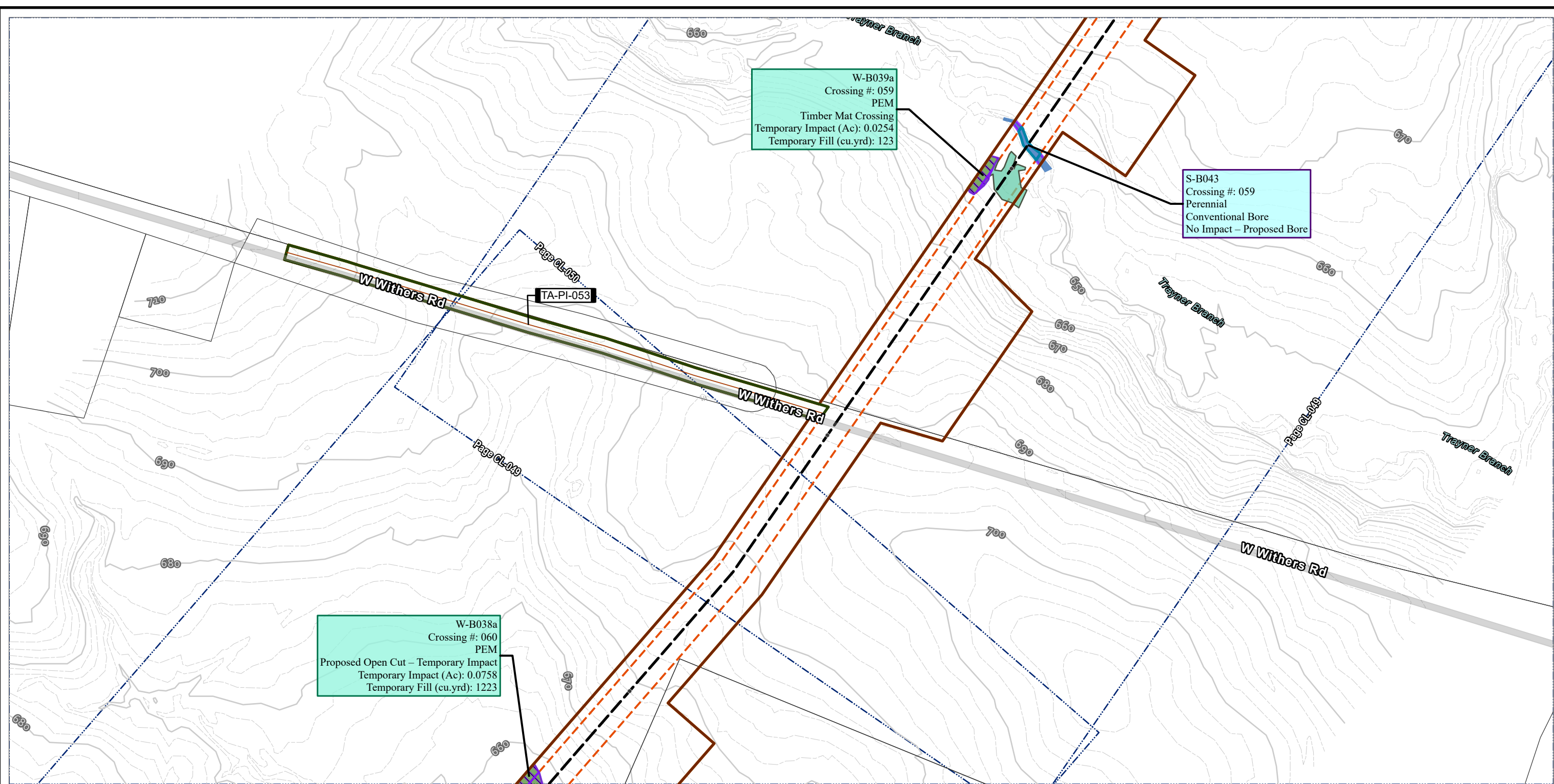
200

FEET

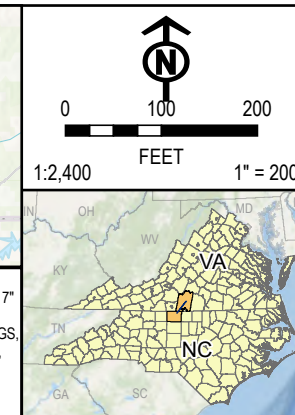
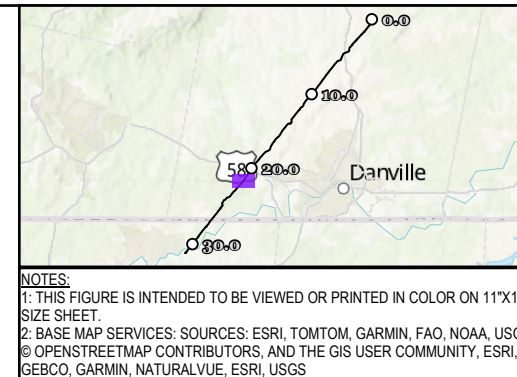
1:2,400


1" = 200'

PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 102 AR-041
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
<div><div><div></div>TRC</div><div>10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400</div></div>	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	

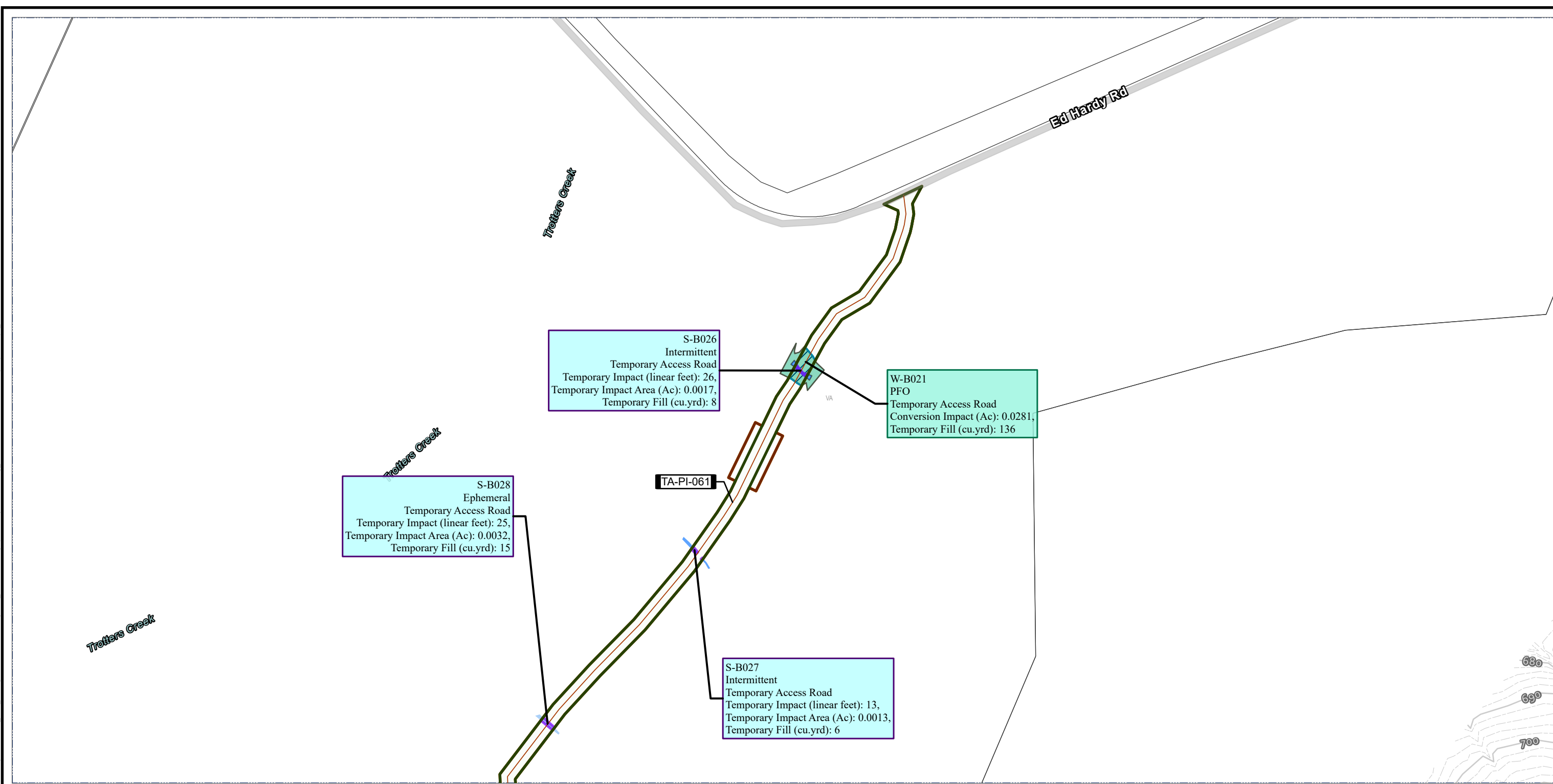


- | | | |
|-------------------------|----------------------------------|------------------------------------|
| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| --- H-650 PIPELINE | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| — TEMPORARY ACCESS ROAD | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| TEMPORARY ACCESS ROAD | STREAM IMPACT | PARCEL BOUNDARY |
| | TEMPORARY | COUNTY BOUNDARY |
| | PERMANENT | |
| | PERENNIAL SURFACE WATER | |
| | WETLAND IMPACT | |
| | TEMPORARY | |
| | PALUSTRINE EMERGENT | |
| | PALUSTRINE FORESTED | |



PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 104 AR-043
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
 <div style="float: right; text-align: right;"> 10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400 </div>	
FILE:	SOUTHGATE\IP_DATAPROCESSING\APR

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps, 11x17L



TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

STREAM IMPACT

TEMPORARY

EPHEMERAL SURFACE WATER

INTERMITTENT SURFACE WATER

WETLAND IMPACT

CONVERSION

PALUSTRINE FORESTED

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:

1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.

2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS

0

100

200

FEET

1" = 200'

1:2,400

1" = 200'

PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia

TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT

DRAWN BY: J. THOMAS

CHECKED BY: A. HORRIE

APPROVED BY: M. TACKEL

DATE: APRIL 2025

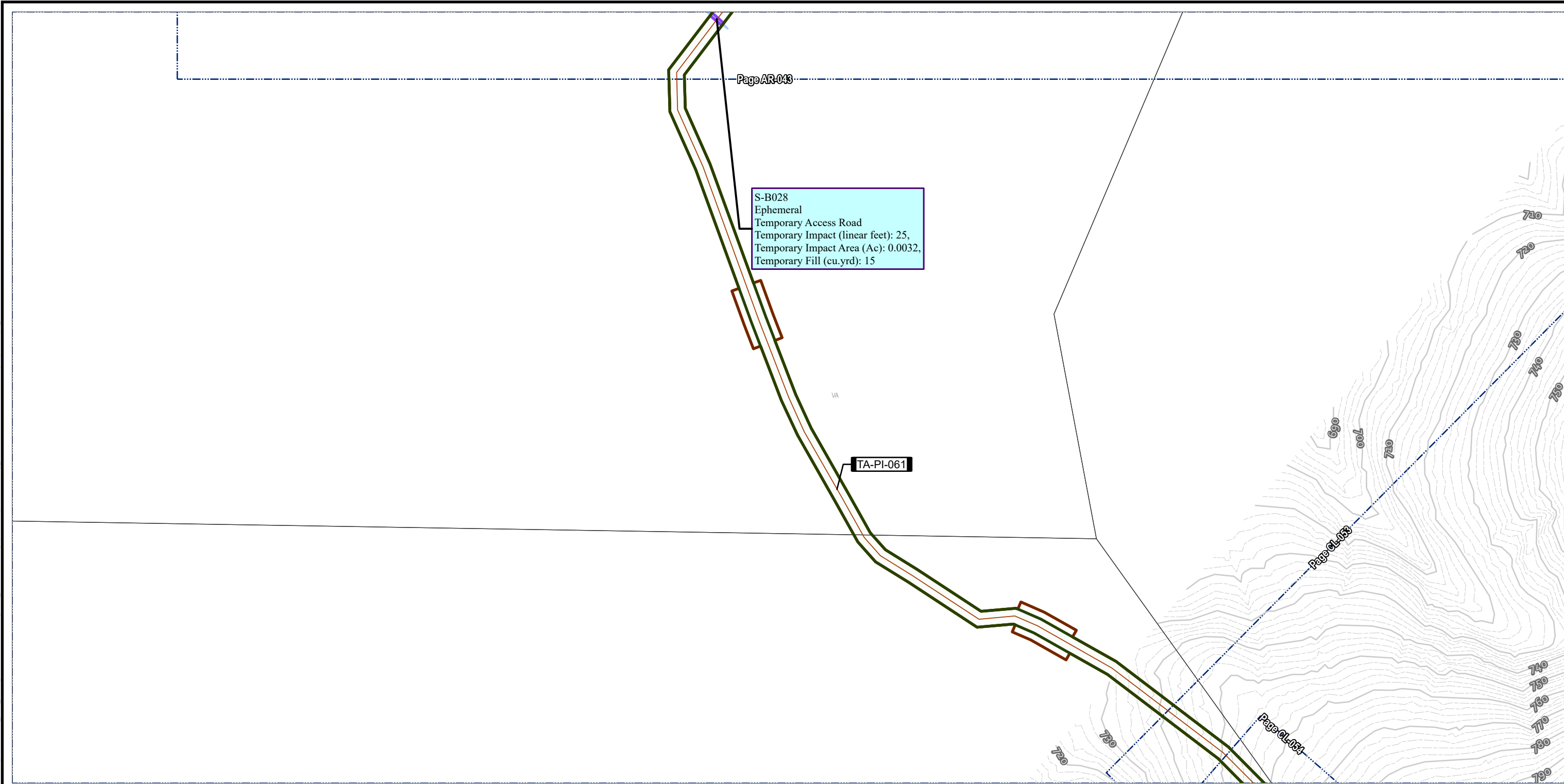
PROJ. NO.: 300423

PAGE: 105
AR-044

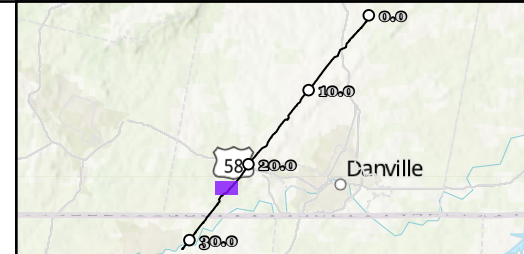
10007 E 59TH STREET
TULSA, OK 74146
PHONE: 918.496.0400

FILE: SOUTHGATEIP_DATAPROCESSING.APRX

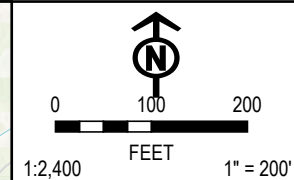
Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 942 VA Wetland and Waterbody Impact Maps, 11x17L



- | | | |
|-----------------------|----------------------------------|------------------------------------|
| TEMPORARY ACCESS ROAD | SURVEY AREA | ELEVATION - CONTOUR - INDEX |
| TEMPORARY ACCESS ROAD | LIMITS OF CONSTRUCTION WORKSPACE | ELEVATION - CONTOUR - INTERMEDIATE |
| | STREAM IMPACT | ADJACENT SHEET |
| | TEMPORARY | PARCEL BOUNDARY |
| | EPHEMERAL SURFACE WATER | COUNTY BOUNDARY |

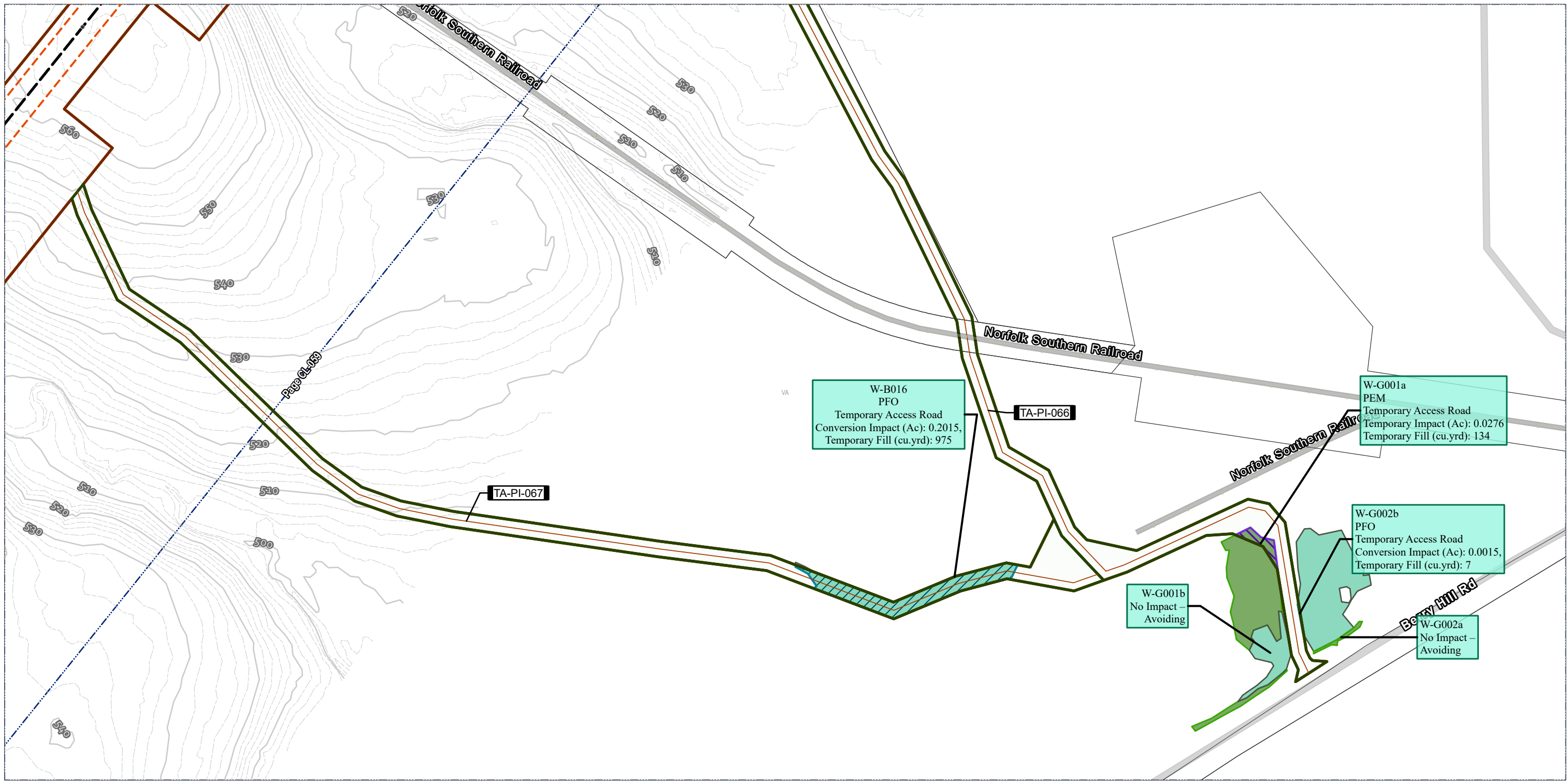


NOTES:
1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.
2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS



PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 106 AR-045
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
TRC	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP\2-APRX\Southgate\IP_DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps, 11x17L



TENTH MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:

1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.

2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS

N

0

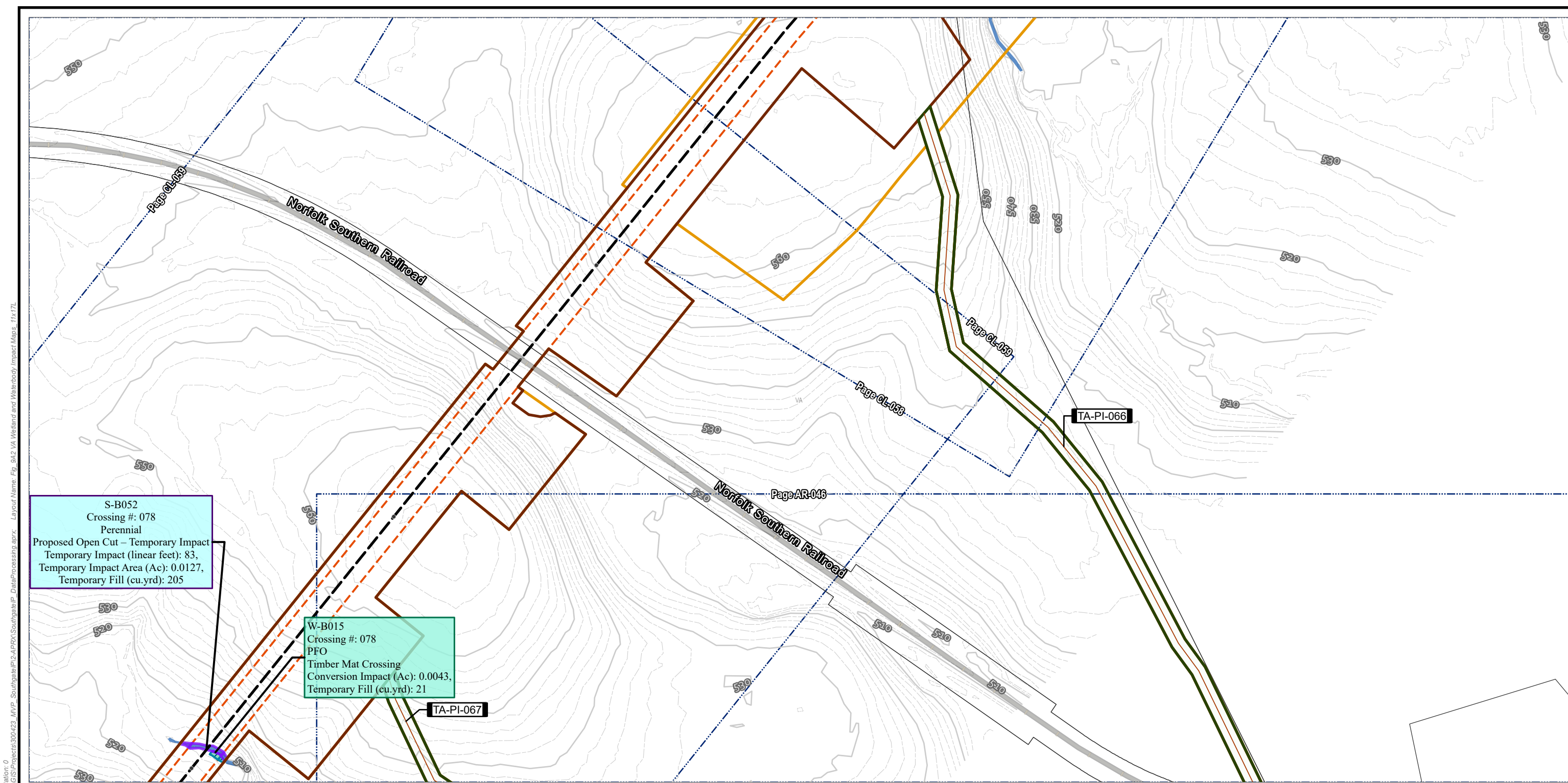
100

200

FEET

1" = 200'

PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 108 AR-047
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE:	SOUTHGATEIP_DATAPROCESSING.APRX



- TENTH MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERENNIAL SURFACE WATER

WETLAND IMPACT

CONVERSION

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:

1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.

2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS

N

0

100

200

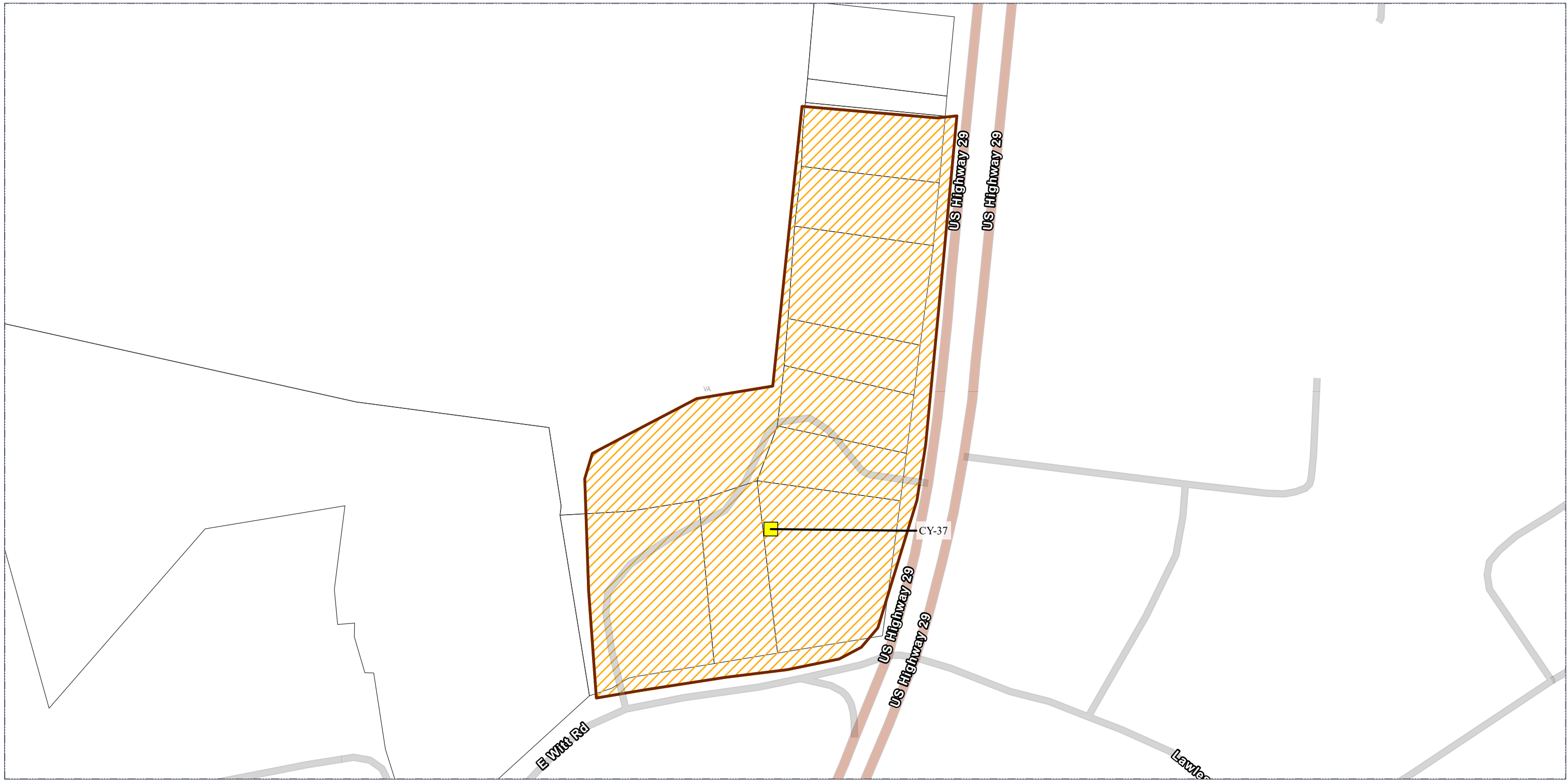
FEET

1" = 200'

PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 109 AR-048
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
<div><div><div></div><div>TRC</div></div><div>10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400</div></div>	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	


Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_SouthgateIP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps; 11x17L

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 0
-- Saved By: JOSHUA THOMAS on 4/11/2025, 15:00:17 PM. File Path: C:\GIS\Projects\300423_MVP_Southgate\IP\2-APRX\SouthgateIP_DataProcessing.aprx; Layout Name: Fig. 9A2 VA Wetland and Waterbody Impact Maps; 11x17L



 CONTRACTOR YARD

 STAGING AREA

 SURVEY AREA

 LIMITS OF CONSTRUCTION WORKSPACE

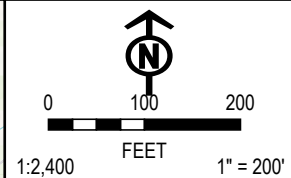
 ADJACENT SHEET

 PARCEL BOUNDARY

 COUNTY BOUNDARY



NOTES:
1: THIS FIGURE IS INTENDED TO BE VIEWED OR PRINTED IN COLOR ON 11"x17" SIZE SHEET.
2: BASE MAP SERVICES: SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY, ESRI, GEBCO, GARMIN, NATURALVUE, ESRI, USGS



PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia

TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT

DRAWN BY: J. THOMAS PROJ. NO.: 300423

CHECKED BY: A. HORRIE

APPROVED BY: M. TACKEL

DATE: APRIL 2025

 10007 E 59TH STREET
TULSA, OK 74146
PHONE: 918.496.0400

FILE: SOUTHGATEIP_DATAPROCESSING.APRX

TABLES

Table A-1	Virginia Stream Impacts
Table A-2	Virginia Wetland Impacts
Table A-3	Virginia Stream Impact Summary
Table A-4	Virginia Wetland Impact Summary

Table A-1 - Virginia Stream Impacts
Individual Permit Application
MVP Southgate Amendment Project

Stream ID	NHD Stream Name a/	County	USACE District	Latitude b/	Longitude b/	Flow Regime	Water Type c/	Stream Designation d/	HUC-8	Impact Type e/	Temporary Impact (linear feet)	Permanent Impact (linear feet)	Temporary Impact Area (square feet) f/	Permanent Impact Area (square feet) f/	Temporary Fill (cubic yards) g/	Permanent Fill (cubic yards) h/	Figure
S-A001	UNT To White Oak Creek	Pittsylvania	Norfolk	36.734897	-79.440223	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	73	-	678	-	251	-	CL-021
S-A004	Little Cherrystone Creek	Pittsylvania	Norfolk	36.822913	-79.347519	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	99	-	1632	-	604	-	CL-002
S-A005	UNT to Little Cherrystone Creek	Pittsylvania	Norfolk	36.828977	-79.344565	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	91	-	782	-	290	-	CL-001; AR-003
S-A007	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.801823	-79.367316	Intermittent	RPW	Warmwater Fishery	03010105	Culvert Installation/Replacement	-	26	-	156	-	20	CL-006; AR-012
S-A009	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.811606	-79.359388	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	99	-	380	-	141	-	CL-004
S-A010	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.812251	-79.358300	Ephemeral	NRPW	Warmwater Fishery	03010105	Timber Mat Crossing	22	-	85	-	9	-	CL-004
S-A012	UNT to Cherrystone Creek	Pittsylvania	Norfolk	36.814949	-79.355538	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	90	-	399	-	148	-	AR-007
S-A017	UNT to Banister River	Pittsylvania	Norfolk	36.782808	-79.390591	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	79	-	457	-	169	-	CL-010, 011
S-A018	UNT to Banister River	Pittsylvania	Norfolk	36.792090	-79.381212	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	79	-	247	-	92	-	CL-008, 009; AR-013
S-A019	UNT to Banister River	Pittsylvania	Norfolk	36.787971	-79.384411	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	87	-	678	-	251	-	CL-009
S-A021	White Oak Creek	Pittsylvania	Norfolk	36.773111	-79.399660	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	91	-	2227	-	825	-	AR-018
S-A022	White Oak Creek	Pittsylvania	Norfolk	36.771795	-79.400506	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	77	-	1462	-	542	-	CL-013; AR-018
S-A024	UNT To White Oak Creek	Pittsylvania	Norfolk	36.741561	-79.434055	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	126	-	567	-	210	-	CL-019
S-A025	UNT To White Oak Creek	Pittsylvania	Norfolk	36.746074	-79.429921	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	125	-	425	-	157	-	CL-018, 019
S-A026	UNT To White Oak Creek	Pittsylvania	Norfolk	36.753111	-79.423458	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	109	-	729	-	270	-	CL-017; AR-022
S-A027	UNT To White Oak Creek	Pittsylvania	Norfolk	36.753276	-79.423227	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	106	-	256	-	95	-	CL-017; AR-022
S-A028	UNT To White Oak Creek	Pittsylvania	Norfolk	36.756964	-79.419623	Ephemeral	NRPW	Warmwater Fishery	03010105	Pipeline ROW	76	-	456	-	169	-	CL-016
S-A029	UNT To White Oak Creek	Pittsylvania	Norfolk	36.734731	-79.440384	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	77	-	917	-	340	-	CL-021
S-A031	UNT To White Oak Creek	Pittsylvania	Norfolk	36.729126	-79.445772	Perennial	RPW	Warmwater Fishery	03010105	Timber Mat Crossing	37	-	243	-	27	-	CL-022; AR-025
S-A032	UNT To White Oak Creek	Pittsylvania	Norfolk	36.720680	-79.454690	Intermittent	RPW	Warmwater Fishery	03010105	Pipeline ROW	70	-	213	-	79	-	CL-024
S-A033a	UNT To White Oak Creek	Pittsylvania	Norfolk	36.720526	-79.454921	Perennial	RPW	Warmwater Fishery	03010105	Pipeline ROW	182	-	1371	-	508	-	CL-024
S-A034	UNT To White Oak Creek	Pittsylvania	Norfolk	36.719144	-79.457085	Ephemeral	NRPW	Warmwater Fishery	03010105	Pipeline ROW	106	-	182	-	67	-	CL-024
S-A036	UNT to Sandy Creek	Pittsylvania	Norfolk	36.707787	-79.466956	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	306	-	1181	-	437	-	CL-026; AR-028
S-A037	UNT to Sandy Creek	Pittsylvania	Norfolk	36.707919	-79.466839	Intermittent	RPW	Warmwater Fishery	03010103	Timber Mat Crossing	25	-	90	-	10	-	CL-026; AR-028
S-A038	UNT to Sandy Creek	Pittsylvania	Norfolk	36.707051	-79.466859	Ephemeral	NRPW	Warmwater Fishery	03010103	Pipeline ROW/ATWS	245	-	568	-	210	-	CL-026, 027; AR-028
S-A040	UNT to Sandy Creek	Pittsylvania	Norfolk	36.704018	-79.470164	Ephemeral	NRPW	Warmwater Fishery	03010103	Timber Mat Crossing	147	-	264	-	29	-	CL-027
S-A041	UNT to Sandy Creek	Pittsylvania	Norfolk	36.704062	-79.470350	Intermittent	RPW	Warmwater Fishery	03010103	Timber Mat Crossing	84	-	219	-	24	-	CL-027
S-A042	UNT to Sandy Creek	Pittsylvania	Norfolk	36.703928	-79.470519	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	153	-	1064	-	394	-	CL-027
S-A043	UNT to Sandy Creek	Pittsylvania	Norfolk	36.701629	-79.473438	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	93	-	228	-	84	-	CL-028
S-A044	UNT to Sandy Creek	Pittsylvania	Norfolk	36.698524	-79.476499	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	77	-	708	-	262	-	CL-028
S-A045	Sandy Creek	Pittsylvania	Norfolk	36.688829	-79.486181	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	82	-	1548	-	573	-	CL-030
S-A046	UNT to Sandy Creek	Pittsylvania	Norfolk	36.680562	-79.490125	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	109	-	786	-	291	-	CL-032
S-A047	UNT to Sandy Creek	Pittsylvania	Norfolk	36.671924	-79.498955	Perennial	RPW	Warmwater Fishery	03010103	Temporary Access Road	25	-	198	-	22	-	AR-030, 031, 032
S-A048	UNT to Sandy Creek	Pittsylvania	Norfolk	36.668159	-79.506549	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	77	-	278	-	103	-	CL-035
S-A049	UNT to Sandy Creek	Pittsylvania	Norfolk	36.673416	-79.501654	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	82	-	636	-	236	-	CL-034; AR-031
S-A050	UNT to Silver Creek	Pittsylvania	Norfolk	36.655379	-79.519215	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	82	-	169	-	63	-	CL-037, 038
S-A052	UNT to Silver Creek	Pittsylvania	Norfolk	36.653753	-79.520409	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	169	-	663	-	246	-	CL-038
S-A053	UNT to Sandy River	Pittsylvania	Norfolk	36.636725	-79.528878	Intermittent	RPW	Warmwater Fishery	03010103	Temporary Access Road	53	-	121	-	13	-	AR-033
S-A054	UNT to Silver Creek	Pittsylvania	Norfolk	36.651978	-79.522157	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	90	-	307	-	114	-	CL-038
S-A055	UNT to Silver Creek	Pittsylvania	Norfolk	36.651865	-79.522220	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	106	-	184	-	68	-	CL-038
S-A057	UNT to Sandy River	Pittsylvania	Norfolk	36.643891	-79.527377	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	93	-	385	-	143	-	CL-040
S-A065	UNT to Sandy River	Pittsylvania	Norfolk	36.638495	-79.531549	Ephemeral	NRPW	Warmwater Fishery	03010103	Culvert Installation/Replacement	-	36	-	86	-	6	AR-033, 034
S-A067	UNT To White Oak Creek	Pittsylvania	Norfolk	36.761929	-79.414440	Ephemeral	NRPW	Warmwater Fishery	03010105	Timber Mat Crossing	13	-	18	-	2	-	CL-015; AR-020
S-A069	UNT To White Oak Creek	Pittsylvania	Norfolk	36.755111	-79.424018	Intermittent	RPW	Warmwater Fishery	03010105	Temporary Access Road	13	-	37	-	4	-	CL-017; AR-022
S-A070	UNT to Silver Creek	Pittsylvania	Norfolk	36.662088	-79.511259	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	80	-	263	-	97	-	CL-036
S-A071	UNT to Sandy River	Pittsylvania	Norfolk	36.639740	-79.534245	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	88	-	1042	-	386	-	CL-041; AR-034
S-B023	UNT to Dan River	Pittsylvania	Norfolk	36.568006	-79.611830	Ephemeral	NRPW	Warmwater Fishery	03010103	Timber Mat Crossing	11	-	20	-	2	-	CL-056
S-B026	UNT to Trotters Creek	Pittsylvania	Norfolk	36.584710	-79.598879	Intermittent	RPW	Warmwater Fishery	03010103	Temporary Access Road	26	-	75	-	8	-	AR-044
S-B027	UNT to Trotters Creek	Pittsylvania	Norfolk	36.583901	-79.599466	Intermittent	RPW	Warmwater Fishery	03010103	Temporary Access Road	13	-	56	-	6	-	AR-044, 045
S-B028	UNT to Trotters Creek	Pittsylvania	Norfolk	36.583129	-79.600290	Ephemeral	NRPW	Warmwater Fishery	03010103	Temporary Access Road	25	-	138	-	15	-	AR-044, 045

Table A-1 - Virginia Stream Impacts Individual Permit Application MVP Southgate Amendment Project																	
Stream ID	NHD Stream Name ^{a/}	County	USACE District	Latitude ^{b/}	Longitude ^{b/}	Flow Regime	Water Type ^{c/}	Stream Designation ^{d/}	HUC-8	Impact Type ^{e/}	Temporary Impact (linear feet)	Permanent Impact (linear feet)	Temporary Impact Area (square feet) ^{f/}	Permanent Impact Area (square feet) ^{f/}	Temporary Fill (cubic yards) ^{g/}	Permanent Fill (cubic yards) ^{h/}	Figure
S-B029	Trotters Creek	Pittsylvania	Norfolk	36.574685	-79.600110	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	76	-	1150	-	426	-	CL-054
S-B032	UNT to Trotters Creek	Pittsylvania	Norfolk	36.586822	-79.586916	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	77	-	149	-	55	-	CL-052
S-B033	UNT to Trotters Creek	Pittsylvania	Norfolk	36.585572	-79.588112	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	39	-	149	-	55	-	CL-052
S-B038	UNT to Trotters Creek	Pittsylvania	Norfolk	36.582728	-79.592044	Intermittent	RPW	Warmwater Fishery	03010103	Timber Mat Crossing	2	-	5	-	1	-	CL-053
S-B039	UNT to Trotters Creek	Pittsylvania	Norfolk	36.580246	-79.594500	Ephemeral	NRPW	Warmwater Fishery	03010103	Pipeline ROW	84	-	430	-	159	-	CL-053
S-B040	UNT to Trotters Creek	Pittsylvania	Norfolk	36.587479	-79.586301	Intermittent	RPW	Warmwater Fishery	03010103	Timber Mat Crossing	81	-	215	-	24	-	CL-052
S-B041	UNT to Trayner Branch	Pittsylvania	Norfolk	36.595875	-79.576954	Intermittent	RPW	Warmwater Fishery	03010103	Pipeline ROW	53	-	74	-	28	-	CL-050
S-B042	UNT to Trayner Branch	Pittsylvania	Norfolk	36.595831	-79.577069	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	84	-	215	-	80	-	CL-050
S-B044a	UNT to Trayner Branch	Pittsylvania	Norfolk	36.603259	-79.570412	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	61	-	241	-	89	-	CL-048
S-B045	UNT to Trayner Branch	Pittsylvania	Norfolk	36.605972	-79.568131	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	98	-	372	-	138	-	CL-048; AR-042
S-B046	UNT to Pine Lake	Pittsylvania	Norfolk	36.613887	-79.562228	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	106	-	559	-	207	-	CL-046
S-B051	UNT to Dan River	Pittsylvania	Norfolk	36.545968	-79.628350	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	88	-	493	-	183	-	CL-060
S-B052	UNT to Dan River	Pittsylvania	Norfolk	36.552527	-79.621795	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	83	-	554	-	205	-	CL-059
S-B054	UNT to Dan River	Pittsylvania	Norfolk	36.556374	-79.617919	Perennial	RPW	Warmwater Fishery	03010103	Pipeline ROW	147	-	480	-	178	-	CL-058; AR-048
S-B056	UNT to Dan River	Pittsylvania	Norfolk	36.561424	-79.613324	Ephemeral	NRPW	Warmwater Fishery	03010103	Pipeline ROW	96	-	173	-	64	-	CL-057
S-B059	UNT to Pine Lake	Pittsylvania	Norfolk	36.617481	-79.559870	Ephemeral	NRPW	Warmwater Fishery	03010103	Pipeline ROW	80	-	210	-	78	-	CL-046
S-B060	UNT to Banister River	Pittsylvania	Norfolk	36.775387	-79.398532	Ephemeral	NRPW	Warmwater Fishery	03010105	Pipeline ROW	97	-	295	-	109	-	CL-012
S-B061	UNT to Trotters Creek	Pittsylvania	Norfolk	36.575092	-79.599593	Ephemeral	NRPW	Warmwater Fishery	03010103	Pipeline ROW	72	-	153	-	57	-	CL-054
^{a/} For identified streams without an NHD (National Hydrography Dataset) name, the identified stream was given the name "Unidentified Tributary (UNT)" of the first named receiving waterbody. ^{b/} Shown in decimal degrees. ^{c/} RPW = Relatively Permanent Waters; NRPW = Non-Relatively Permanent Waters ^{d/} Streams designated as warmwater fisheries in Virginia have time-of-year restrictions from April 15 through July 15. See Section 1.8.4 and Section 4.2.9 for more information. ^{e/} Pipeline right-of-way (ROW) is based on streams that cross the pipeline within the 75-foot-wide permanent and temporary easements. Timber mat crossings are based on streams that do not cross the pipeline within the 75-foot-wide permanent and temporary easements. ATWS = additional temporary workspace. ^{f/} Temporary and permanent impacts include the area of streams that are within the limits of disturbance; impact square feet are rounded to the nearest whole number. ^{g/} Temporary fill discharge into Waters of the U.S.; cubic yards rounded to the nearest whole number. Temporary fill volume includes a 10-foot depth of fill for streams crossed by the pipeline and a 3-foot depth of fill for streams not crossed by the pipeline. ^{h/} Permanent fill discharge into Waters of the U.S.; cubic yards rounded to the nearest whole number. Permanent fill volume includes a depth of fill equal to the culvert diameter plus 0.5 foot.																	

Table A-2 - Virginia Wetland Impacts
Individual Permit Application
MVP Southgate Amendment Project

Wetland ID	County	USACE District	Latitude ^{a/}	Longitude ^{a/}	Cowardin Class ^{b/}	HUC-8	Impact Type ^{c/}	Temporary Impacts (square feet) ^{d/}	Permanent Conversion Impacts (square feet) ^{e/}	Temporary Fill (cubic yards) ^{f/}	Figure
W-A003a	Pittsylvania	Norfolk	36.823293	-79.347035	PFO	03010105	Pipeline ROW	-	16427	6,084	CL-002
W-A003b	Pittsylvania	Norfolk	36.823326	-79.347151	PEM	03010105	Pipeline ROW	4175	-	1,546	CL-002
W-A004	Pittsylvania	Norfolk	36.82749	-79.344446	PEM	03010105	Pipeline ROW	1707	-	632	CL-001; AR-003, 004
W-A005	Pittsylvania	Norfolk	36.826061	-79.338719	PEM	03010105	Temporary Access Road	1099	-	122	AR-004, 006
W-A007	Pittsylvania	Norfolk	36.80193	-79.368135	PEM	03010105	Temporary Access Road	2867	-	319	CL-006; AR-012
W-A008	Pittsylvania	Norfolk	36.801941	-79.368419	PEM	03010105	Temporary Access Road	295	-	33	CL-006; AR-012
W-A009	Pittsylvania	Norfolk	36.803103	-79.369149	PEM	03010105	Pipeline ROW	1586	-	587	CL-006; AR-012
W-A010a	Pittsylvania	Norfolk	36.80495	-79.367094	PEM	03010105	Pipeline ROW	99876	-	36,991	CL-005, 006; AR-012
W-A010b	Pittsylvania	Norfolk	36.806753	-79.364964	PFO	03010105	Pipeline ROW	-	51941	19,238	CL-005; AR-009
W-A010c	Pittsylvania	Norfolk	36.805165	-79.366691	PSS	03010105	Pipeline ROW	-	1578	585	CL-006
W-A013a	Pittsylvania	Norfolk	36.810309	-79.360973	PEM	03010105	Pipeline ROW/ Temporary Access Road	44370	-	4,930	CL-004, 005; AR-008, 009
W-A013b	Pittsylvania	Norfolk	36.810865	-79.360273	PSS	03010105	Pipeline ROW	-	23137	8,569	AR-008, 009
W-A013c	Pittsylvania	Norfolk	36.811511	-79.359471	PFO	03010105	Pipeline ROW	-	3126	1,158	CL-004; AR-008, 009
W-A013d	Pittsylvania	Norfolk	36.810765	-79.36028	PFO	03010105	Pipeline ROW	-	9367	3,469	AR-008, 009
W-A014a	Pittsylvania	Norfolk	36.816246	-79.354021	PFO	03010105	Pipeline ROW	-	350	129	CL-003; AR-007
W-A014b	Pittsylvania	Norfolk	36.8163	-79.354141	PEM	03010105	Timber Mat Crossing	2594	-	288	CL-003; AR-007
W-A017	Pittsylvania	Norfolk	36.736489	-79.438789	PEM	03010105	Pipeline ROW	7819	-	52	AR-023
W-A019	Pittsylvania	Norfolk	36.788037	-79.384399	PFO	03010105	Pipeline ROW	-	2988	31	CL-009
W-A020	Pittsylvania	Norfolk	36.773189	-79.39964	PFO	03010105	Pipeline ROW	-	1869	70	AR-018
W-A021	Pittsylvania	Norfolk	36.772842	-79.399682	PFO	03010105	Pipeline ROW	-	2670	47	AR-018
W-A022	Pittsylvania	Norfolk	36.771512	-79.401621	PFO	03010105	Pipeline ROW/ATWS	-	43344	4,816	CL-013; AR-018
W-A023	Pittsylvania	Norfolk	36.771852	-79.400313	PFO	03010105	Pipeline ROW	-	5516	2,043	CL-013; AR-018
W-A024	Pittsylvania	Norfolk	36.766498	-79.400132	PSS	03010105	Temporary Access Road	-	2354	262	AR-016, 017
W-A025a	Pittsylvania	Norfolk	36.741628	-79.434083	PEM	03010105	Timber Mat Crossing	468	-	52	CL-019
W-A025b	Pittsylvania	Norfolk	36.741515	-79.434065	PFO	3010105	Pipeline ROW	-	505	187	CL-019
W-A026	Pittsylvania	Norfolk	36.746177	-79.429973	PEM	03010105	Timber Mat Crossing	275	-	31	CL-018, 019
W-A027	Pittsylvania	Norfolk	36.753467	-79.423204	PEM	03010105	Timber Mat Crossing	629	-	70	CL-017; AR-022
W-A028	Pittsylvania	Norfolk	36.734611	-79.440496	PFO	03010105	Pipeline ROW	-	4341	1,608	CL-021
W-A029a	Pittsylvania	Norfolk	36.735055	-79.440182	PEM	03010105	Pipeline ROW	3266	-	1,210	CL-021
W-A029b	Pittsylvania	Norfolk	36.734941	-79.440171	PFO	03010105	Pipeline ROW	-	7374	2,731	CL-021
W-A030a	Pittsylvania	Norfolk	36.728941	-79.445945	PEM	03010105	Pipeline ROW	4152	-	1,538	CL-022; AR-025
W-A030b	Pittsylvania	Norfolk	36.729069	-79.445688	PSS	03010105	Pipeline ROW	-	3085	1,143	CL-022; AR-025
W-A031	Pittsylvania	Norfolk	36.720653	-79.45468	PFO	03010105	Pipeline ROW	-	8906	3,298	CL-024
W-A032	Pittsylvania	Norfolk	36.757595	-79.419057	PEM	03010105	Timber Mat Crossing	427	-	47	CL-016
W-A033	Pittsylvania	Norfolk	36.720309	-79.455317	PFO	03010105	Pipeline ROW	-	3620	1,341	CL-024
W-A034	Pittsylvania	Norfolk	36.719099	-79.457215	PFO	03010105	Pipeline ROW	-	1104	409	CL-024
W-A035	Pittsylvania	Norfolk	36.719138	-79.457066	PSS	03010105	Pipeline ROW	-	191	71	CL-024
W-A036	Pittsylvania	Norfolk	36.707843	-79.466854	PSS	03010103	Timber Mat Crossing	-	1209	134	CL-026; AR-028
W-A037	Pittsylvania	Norfolk	36.703959	-79.470234	PEM	03010103	Timber Mat Crossing	144	-	16	CL-027

Table A-2 - Virginia Wetland Impacts
Individual Permit Application
MVP Southgate Amendment Project

Wetland ID	County	USACE District	Latitude <u>a/</u>	Longitude <u>a/</u>	Cowardin Class <u>b/</u>	HUC-8	Impact Type <u>c/</u>	Temporary Impacts (square feet) <u>d/</u>	Permanent Conversion Impacts (square feet) <u>e/</u>	Temporary Fill (cubic yards) <u>f/</u>	Figure
W-A038	Pittsylvania	Norfolk	36.704175	-79.470157	PSS	03010103	Timber Mat Crossing	-	1017	113	CL-027
W-A039	Pittsylvania	Norfolk	36.70161	-79.473394	PFO	03010103	Pipeline ROW	-	2411	893	CL-028
W-A040	Pittsylvania	Norfolk	36.701714	-79.473466	PEM	03010103	Timber Mat Crossing	694	-	77	CL-028
W-A041	Pittsylvania	Norfolk	36.688824	-79.486112	PFO	03010103	Pipeline ROW	-	661	245	CL-030
W-A042	Pittsylvania	Norfolk	36.688884	-79.48626	PEM	03010103	Timber Mat Crossing	37	-	4	CL-030
W-A043	Pittsylvania	Norfolk	36.688825	-79.486238	PEM	03010103	Timber Mat Crossing	55	-	6	CL-030
W-A044	Pittsylvania	Norfolk	36.680665	-79.490026	PFO	03010103	Pipeline ROW	-	5835	2,161	CL-032
W-A045	Pittsylvania	Norfolk	36.680303	-79.490273	PFO	03010103	Pipeline ROW	-	3659	1,355	CL-032
W-A046	Pittsylvania	Norfolk	36.671944	-79.498935	PEM	03010103	Temporary Access Road	41	-	5	AR-030, 031, 032
W-A047	Pittsylvania	Norfolk	36.671862	-79.498897	PEM	03010103	Temporary Access Road	267	-	30	AR-031, 032
W-A048	Pittsylvania	Norfolk	36.66816	-79.50654	PEM	03010103	Pipeline ROW	383	-	142	CL-035
W-A049a	Pittsylvania	Norfolk	36.673612	-79.501453	PFO	03010103	Pipeline ROW	-	4865	1,802	CL-034; AR-031, 032
W-A049b	Pittsylvania	Norfolk	36.673619	-79.501599	PEM	03010103	Timber Mat Crossing	787	-	87	CL-034; AR-031
W-A050	Pittsylvania	Norfolk	36.803187	-79.368939	PEM	03010105	Timber Mat Crossing	546	-	61	CL-006; AR-012
W-A051	Pittsylvania	Norfolk	36.65186	-79.522198	PEM	03010103	Pipeline ROW	1412	-	523	CL-038
W-A053	Pittsylvania	Norfolk	36.803307	-79.368781	PEM	03010105	Timber Mat Crossing	50	-	6	CL-006; AR-012
W-A054	Pittsylvania	Norfolk	36.644078	-79.527393	PEM	03010103	Pipeline ROW	4309	-	1,596	CL-039, 040
W-A063	Pittsylvania	Norfolk	36.627974	-79.548082	PEM	03010103	Timber Mat Crossing	30	-	3	AR-038
W-A068	Pittsylvania	Norfolk	36.768123	-79.408282	PEM	03010105	Pipeline ROW	792	-	293	CL-014; AR-021
W-A069	Pittsylvania	Norfolk	36.758036	-79.418399	PFO	03010105	Timber Mat Crossing	-	254	28	CL-016
W-A070a	Pittsylvania	Norfolk	36.757744	-79.418935	PEM	03010105	Timber Mat Crossing	1036	-	115	CL-016
W-A070b	Pittsylvania	Norfolk	36.757852	-79.418825	PEM	03010105	Timber Mat Crossing	356	-	40	CL-016
W-A070c	Pittsylvania	Norfolk	36.757703	-79.418798	PFO	03010105	Pipeline ROW	-	4166	1,543	CL-016
W-A071a	Pittsylvania	Norfolk	36.632613	-79.543389	PEM	03010103	Timber Mat Crossing	51	-	6	AR-037
W-A073a	Pittsylvania	Norfolk	36.774698	-79.399031	PEM	03010105	Pipeline ROW	11866	-	4,395	CL-012
W-A073b	Pittsylvania	Norfolk	36.775	-79.398765	PFO	03010105	Pipeline ROW	-	8311	3,078	CL-012
W-A075	Pittsylvania	Norfolk	36.783337	-79.388841	PEM	03010105	Timber Mat Crossing	29	-	3	CL-010
W-A076	Pittsylvania	Norfolk	36.657575	-79.517488	PEM	03010103	Timber Mat Crossing	6	-	1	CL-037
W-A079	Pittsylvania	Norfolk	36.815033	-79.355579	PEM	03010105	Timber Mat Crossing	156	-	17	AR-007
W-A080	Pittsylvania	Norfolk	36.803253	-79.369175	PEM	03010105	Timber Mat Crossing	65	-	7	CL-006; AR-012
W-A081	Pittsylvania	Norfolk	36.698694	-79.476488	PEM	03010103	Timber Mat Crossing	95	-	11	CL-028
W-B013a	Pittsylvania	Norfolk	36.541866	-79.632567	PEM	03010103	Timber Mat Crossing	757	-	84	CL-060
W-B013b	Pittsylvania	Norfolk	36.541802	-79.632478	PFO	03010103	Pipeline ROW	-	7053	2,612	CL-060
W-B015	Pittsylvania	Norfolk	36.552492	-79.621731	PFO	03010103	Timber Mat Crossing	-	186	21	CL-059
W-B016	Pittsylvania	Norfolk	36.551078	-79.616184	PFO	03010103	Temporary Access Road	-	8777	975	AR-047, 048
W-B017	Pittsylvania	Norfolk	36.557813	-79.616489	PEM	03010103	Pipeline ROW	5674	-	2,102	CL-058
W-B019	Pittsylvania	Norfolk	36.561926	-79.612988	PEM	03010103	Pipeline ROW	4901	-	1,815	CL-057
W-B020	Pittsylvania	Norfolk	36.565514	-79.613474	PSS	03010103	Pipeline ROW	-	5438	2,014	CL-057
W-B021	Pittsylvania	Norfolk	36.584726	-79.598867	PFO	03010103	Temporary Access Road	-	1226	136	AR-044
W-B023	Pittsylvania	Norfolk	36.586795	-79.586963	PFO	03010103	Pipeline ROW	-	1476	547	CL-052

**Table A-2 - Virginia Wetland Impacts
Individual Permit Application
MVP Southgate Amendment Project**

Wetland ID	County	USACE District	Latitude <u>a/</u>	Longitude <u>a/</u>	Cowardin Class <u>b/</u>	HUC-8	Impact Type <u>c/</u>	Temporary Impacts (square feet) <u>d/</u>	Permanent Conversion Impacts (square feet) <u>e/</u>	Temporary Fill (cubic yards) <u>f/</u>	Figure
W-B024	Pittsylvania	Norfolk	36.585648	-79.588213	PEM	03010103	Timber Mat Crossing	505	-	56	CL-052
W-B035	Pittsylvania	Norfolk	36.582779	-79.591983	PFO	03010103	Timber Mat Crossing	-	63	7	CL-053
W-B036a	Pittsylvania	Norfolk	36.58751	-79.586176	PFO	03010103	Pipeline ROW	-	1215	450	CL-051, 052
W-B036b	Pittsylvania	Norfolk	36.58723	-79.586598	PEM	03010103	Pipeline ROW	3475	-	1,287	CL-052
W-B037b	Pittsylvania	Norfolk	36.590298	-79.583194	PFO	03010103	Timber Mat Crossing	-	48	5	CL-051
W-B038a	Pittsylvania	Norfolk	36.595989	-79.576949	PEM	03010103	Pipeline ROW	3303	-	1,223	CL-050
W-B038b	Pittsylvania	Norfolk	36.595888	-79.57694	PFO	03010103	Pipeline ROW	-	4503	1,668	CL-050
W-B038c	Pittsylvania	Norfolk	36.595719	-79.577293	PEM	03010103	Timber Mat Crossing	3746	-	416	CL-050
W-B039a	Pittsylvania	Norfolk	36.598754	-79.574431	PEM	03010103	Timber Mat Crossing	1108	-	123	CL-049; AR-043
W-B041	Pittsylvania	Norfolk	36.603225	-79.570394	PSS	03010103	Pipeline ROW	-	543	201	CL-048
W-B042a	Pittsylvania	Norfolk	36.60617	-79.568044	PEM	03010103	Timber Mat Crossing	2609	-	290	CL-048; AR-042
W-B042b	Pittsylvania	Norfolk	36.606032	-79.568002	PSS	03010103	Pipeline ROW	-	3364	1,246	CL-048; AR-042
W-B043	Pittsylvania	Norfolk	36.61388	-79.562342	PFO	03010103	Timber Mat Crossing	-	172	19	CL-046
W-B044	Pittsylvania	Norfolk	36.617349	-79.559819	PEM	03010103	Timber Mat Crossing	105	-	12	CL-046
W-B050	Pittsylvania	Norfolk	36.561401	-79.613187	PEM	03010103	Timber Mat Crossing	176	-	20	CL-057
W-F001	Pittsylvania	Norfolk	36.584286	-79.589606	PEM	03010103	Timber Mat Crossing	82	-	9	CL-052
W-F002a	Pittsylvania	Norfolk	36.588715	-79.584987	PEM	03010103	Timber Mat Crossing	238	-	26	CL-051
W-F002b	Pittsylvania	Norfolk	36.588681	-79.584935	PFO	03010103	Timber Mat Crossing	-	764	85	CL-051
W-G001a	Pittsylvania	Norfolk	36.551286	-79.614259	PEM	03010103	Temporary Access Road	1203	-	134	AR-047
W-G002b	Pittsylvania	Norfolk	36.550963	-79.614042	PFO	03010103	Temporary Access Road	-	67	7	AR-047

a/ Shown in decimal degrees.

b/ PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub; PFO = Palustrine Forested

c/ Pipeline right-of-way (ROW) is based on wetlands that cross the pipeline within the 75-foot-wide permanent and temporary easements. Timber mat crossings are based on wetlands that do not cross the pipeline within the 75-foot-wide permanent and temporary easements. ATWS = additional temporary workspace.

d/ Construction of access roads will not result in impacts to tidal wetlands or wetlands adjacent to tidal waters. Temporary impacts include the area of PEM wetlands that are within the limits of disturbance; impact square feet are rounded to the nearest whole number.

e/ Permanent conversion impacts include the area of PFO/PSS wetlands that are within the limits of disturbance.

f/ Temporary fill discharge into Waters of the U.S.; cubic yards rounded to the nearest whole number. Temporary fill volume includes a 10-foot depth of fill for wetlands crossed by the pipeline and a 3-foot depth of fill for wetlands not crossed by the

Table A-3 - Virginia Stream Impacts Summary
Individual Permit Application
MVP Southgate Amendment Project

USACE District	Flow Regime	Temporary Impact (linear feet)	Permanent Impact (linear feet)	Temporary Impact Area (square feet)	Temporary Impact Area (acres) <u>a/</u>	Temporary Impact Area (acres rounded) <u>a/</u>	Permanent Impact Area (square feet)	Permanent Impact Area (acres) <u>a/</u>	Permanent Impact Area (acres rounded) <u>a/</u>	Temporary Fill (cubic yards)	Permanent Fill (cubic yards)
Norfolk	Ephemeral	1,076	36	2,991	0.0687	0.07	86	0.0020	0.00	972	6
	Intermittent	1,915	26	7,512	0.1725	0.17	156	0.0036	0.00	2,570	20
	Perennial	2,704	0	21,046	0.4831	0.48	0	0.0000	0.00	7,680	0
	Total	5,695	62	31,549	0.7243	0.72	242	0.0055	0.01	11,222	26
<u>a/</u> Sum may not equal the total of addends due to rounding.											

MVP Southgate Amendment Project

USACE District	Cowardin Class <u>a/</u>	Temporary Impact (square feet)	Temporary Impact (acres) <u>b/</u>	Temporary Impact (acres rounded) <u>b/</u>	Permanent Conversion Impact (square feet)	Permanent Conversion Impact (acres) <u>b/</u>	Permanent Conversion Impact (acres rounded) <u>b/</u>	Permanent Fill Impacts (square feet)	Temporary Fill (cubic yards)	Permanent Fill (cubic yards)
Norfolk	PEM	226,695	5.2042	5.20	0	0.0000	0.00	0	63,488	0
	PSS	0	0.0000	0.00	41,917	0.9623	0.96	0	14,337	0
	PFO	0	0.0000	0.00	219,163	5.0313	5.03	0	64,297	0
	Total	226,695	5.2042	5.20	261,079	5.9936	5.99	0	142,123	0

a/ PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub; PFO = Palustrine Forested

b/ Sum may not equal the total of addends due to rounding.

ATTACHMENTS

- Attachment A-1** VWP Individual Permit Complete Application Checklist 3
- Attachment A-2** VWP Permit Program Property-Access Agreement
- Attachment A-3** Riparian Property Owner Information
- Attachment A-4** USACE Norfolk District PJD Request
- Attachment A-5** Virginia Department of Conservation and Recreation and Department of Wildlife Resources Correspondence

**ATTACHMENT A-1 – VWP INDIVIDUAL PERMIT
COMPLETE APPLICATION CHECKLIST 3**



Virginia Water Protection Individual Permit Complete Application Checklist 3

Permanent and Temporary Impacts Totaling More Than Two Acres of Wetlands and/or Open Water or 1,500 Linear Feet of Stream Bed

Projects Not Qualifying for Virginia Water Protection General Permit Coverage

If the project includes surface water withdrawal or diversion activities, use the Virginia Water Protection (VWP) Individual Permit Complete Application Checklist for Surface Water Withdrawal Activities.

Disclaimer: Checklists are provided as a tool when applying for a VWP individual permit or general permit coverage and for preparing a Joint Permit Application (JPA). Because the JPA is used by several agencies, all applicable sections of the JPA should be completed whether or not the item can be directly associated with a DEQ regulatory requirement. *Item numbers below do not correspond to regulation numbering.* DEQ decisions will be made by applying the State Water Control Law, VWP Permit Program regulations, and VWP Permit Program guidance to the site- and project-specific facts. *Refer to the VWP Permit Program regulations, program guidance, and other references noted herein for details of required information for complete applications.*

DEQ can provide assistance or redirection for questions about this checklist, please contact Dave Davis (dave.davis@deq.virginia.gov; 804-698-4516).

Application status may be viewed on the DEQ Permit Enhancement and Evaluation Platform ([PEEP](#)).

The VWP Permit Program Regulation is [9VAC25-210](#). Section 10 contains definitions. *Sections 80 and 100 contain Application requirements for VWP individual permits. Sections 80 and 116, and § [62.1-44.15:23](#), should be used as a reference for the Conceptual Compensatory Mitigation Plan.* This checklist does not include detailed Final Compensatory Mitigation Plan requirements, as those are not required for a complete application.

For a Complete Application, provide at minimum:

Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
1. Applicant Information	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
1.a. Legal name of Applicant as registered with the SCC (as applicable). If Applicant is a business, name of contact person; <u>and</u>	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
1.b. Mailing address as registered with the SCC (as applicable), phone number, and email address of Applicant and/or contact person	Y	Attachment D, ENG Form 4345 and

Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
		Attachment F, JPA Form
2. Property owner information, if different from Applicant	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
2.a. Legal name of property owner as registered with the SCC (as applicable);	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
2.b. Mailing address as registered with the SCC (as applicable), phone number, and email address of Property Owner	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
3. Authorized Agent information, if applicable	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
3.a. Legal name of authorized agent as registered with the SCC (as applicable);	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
3.b. Mailing address as registered with the SCC (as applicable), phone number, and email address of Agent	Y	Attachment D, ENG Form 4345 and Attachment F, JPA Form
4. Project name and proposed project schedule	Y	IP Application, Sections 1.0 & 1.9
5. Information for the project site(s) and any related permittee-responsible compensatory mitigation site(s):	Y	IP Application, Sections 1.6 & 1.7
5.a. Physical street address, nearest street, or nearest route number;	Y	IP Application, Sections 1.6 & 1.7
5.b. City or County;	Y	IP Application, Sections 1.6 & 1.7
5.c. Zip code;	Y	IP Application, Sections 1.6 & 1.7

Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
5.d. Parcel number(s), if applicable;	Y	IP Application, Sections 1.6 & 1.7
5.e. Name of impacted water body(ies) or receiving waters;	Y	Attachment A, Tables A-1 & A-2
5.f. Latitude and longitude at center of site(s) (to nearest second);	Y	IP Application, Section 1.7, Table 2, Table 3
5.g. National Watershed Boundary Dataset fourth order subbasin; <u>and</u>	Y	IP Application, Section 1.5, Table 2, Table 3, Table 7
5.h. Detailed map: location of site(s), project boundary, and all preservation areas on site(s)	Y	IP Application, Figure 3; Attachment A, Figure A-2
6. Narrative description of the project (including purpose and need)	Y	IP Application, Sections 1.3 & 2
7. Alternatives analysis for proposed project. Include:	Y	IP Application, Sections 3.0 & 5.0
7.a. On-site and off-site measures taken during project design and development to first avoid and then minimize impacts to surface waters to the maximum extent practicable;	Y	IP Application, Sections 3.0 & 5.0
7.b. Specific on-site and off-site measures taken to reduce the size, scope, configuration, or density of the proposed project;	Y	IP Application, Sections 3.0 & 5.0
7.c. A review of alternative sites where required for the project, which would avoid or result in less adverse impact to surface waters;	Y	IP Application, Section 3.0
7.d. Documentation demonstrating the reason the applicant determined less damaging alternatives are not practicable; <u>and</u>	Y	IP Application, Section 3.0
7.e. Demonstration to the satisfaction of the department that avoidance and minimization opportunities have been identified and measures have been applied to the proposed activity such that the proposed activity in terms of impacts to state waters and fish and wildlife resources is the least environmentally damaging practicable alternative	Y	IP Application, Section 5.0
8. Narrative description of all impacts to surface waters. Include:	Y	IP Application, Section 4.1
8.a. Type of activity to be conducted in surface waters;	Y	IP Application, Section 4.1
8.b. Any physical alteration to surface waters	Y	IP Application, Section 4.1
8.c. If applicable, wetland impacts identified according to their Cowardin classification (i.e., emergent, scrub-shrub, or forested) and for each classification, the individual impacts quantified in square feet to the	Y	Attachment A, Tables A-2 & A-4

Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
nearest whole number, cumulatively summed in square feet, and then the sum converted to acres and rounded to two decimal places using commonly accepted arithmetic principles of rounding;		
8.d. If applicable, individual stream impacts (i) quantified by length in linear feet to the nearest whole number and by average width in feet to the nearest whole number; (ii) quantified in square feet to the nearest whole number; <u>and</u> (iii) when compensatory mitigation is required, the impacts identified according to the assessed type using the Unified Stream Methodology;	Y	Attachment A, Tables A-1 & A-3; IP Application, Table 15; Attachment J-1
8.e. If applicable, open water impacts identified according to their Cowardin classification, and for each type, the individual impacts quantified in square feet to the nearest whole number, cumulatively summed in square feet, and then the sum converted to acres and rounded to two decimal places using commonly accepted arithmetic principles of rounding;	N/A	
8.f. Either a copy of the approved jurisdictional determination <u>or</u> when unavailable, one of the following: <ul style="list-style-type: none"> - Preliminary jurisdictional determination from USACE, USDA-NRCS, or DEQ; - Other correspondence indicating approval of the boundary(ies) of applicable state and federal jurisdictional surface waters from USACE, USDA-NRCS, or DEQ; <u>or</u> - Wetland delineation data sheets <p>[Note: See DEQ Memorandum <i>Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation</i>, June 29, 2023, for more information about obtaining boundary and feature verifications in VA]</p>	Y	Attachment A-4, USACE Norfolk District PJD Request
8.g. Delineation / Impact map showing: <ul style="list-style-type: none"> - Geographic area of all delineated surface water boundaries; - Wetlands, stream, and open water impacts, as applicable, described in same manner as above; <u>and</u> - Any other surface waters described with Cowardin classification or similar terminology <p>[Note: See DEQ Memorandum <i>Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation</i>, June 29, 2023, for more information about obtaining boundary and feature verifications in VA]</p>	Y	IP Application, Figure 3; Attachment A, Figure A-2
9. Plan-View Drawing(s) (full- or half-size plan sheets) of the project. Include at a minimum:	Y	Attachment G
9.a. North arrow;	Y	Attachment G
9.b. Graphic scale (recommended maximum scale ratio of 1:200 ft.);	Y	Attachment G
9.c. Existing and proposed topographic or bathymetric contours;	Y	Attachment G
9.d. Limits of proposed impacts to surface waters;	Y	Attachment G
9.e. Location of all existing and proposed structures (fill riprap/outlet protection/channel tie-ins, dredging, excavation, etc.);	Y	Attachment G
9.f. All delineated state and federal jurisdictional surface waters, including isolated, on the site.	Y	Attachment G

Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
Include:		
9.f(1) The Cowardin classification for those surface waters and waterway name, if designated;	Y	Attachment G
9.f(2) ebb and flood or direction of flow; <u>and</u>	Y	Attachment G
9.f(3) ordinary high water mark in nontidal areas; [Note: See DEQ Memorandum <i>Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation</i> , June 29, 2023, for more information about obtaining boundary and feature verifications in VA]	Y	Attachment G
9.f(4) tidal wetlands boundary; <u>and</u> [Note: See DEQ Memorandum <i>Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation</i> , June 29, 2023, for more information about obtaining boundary and feature verifications in VA]	N/A	
9.f(5) mean low water and mean high water lines in tidal areas	N/A	
9.g. Limits of Chesapeake Bay Resource Protection Areas (RPAs) as field-verified by the applicant, and if available, the limits as approved by the locality in which the project site is located, unless the proposed use is exempt from the Chesapeake Bay Preservation Area Designation and Management Regulations (9VAC25-830); <u>and</u>	N/A	
9.h. Limits of any areas that are under a deed restriction, conservation easement, restrictive covenant, or other land use protective instrument (i.e., protected areas)	Y	Attachment A, Figure A-1
10. Cross-sectional and profile drawing(s) of each proposed impact area. Include at a minimum:	Y	Attachment G
10.a. Graphic scale;	Y	Attachment G
10.b. Existing structures;	Y	Attachment G
10.c. Existing and proposed elevations;	Y	Attachment G
10.d. Limits of surface water areas;	Y	Attachment G
10.e. Ebb and flood or direction of flow (if applicable);	Y	Attachment G
10.f. Ordinary high water mark in nontidal areas; [Note: See DEQ Memorandum <i>Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation</i> , June 29, 2023, for more information about obtaining boundary and feature verifications in VA]	Y	Attachment G
10.g. Tidal wetland boundary; [Note: See DEQ Memorandum <i>Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation</i> , June 29, 2023, for more information about obtaining boundary and feature verifications in VA]	N/A	
10.h. Mean low water and mean high water lines in tidal areas;	N/A	
10.i. Impact limits;	Y	Attachment G

Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
10.j. Location of all existing and proposed structures [Profile drawing(s) with this information may be required on a case-by-case basis to demonstrate minimization of impacts.]; <u>and</u>	Y	Attachment G
10.k. For piping or culverting stream flows: Longitudinal profile of the pipe or culvert position and stream bed thalweg, <u>or</u> spot elevations of the stream thalweg at the beginning and end of the pipe or culvert, extending to a minimum of 10 ft. beyond the limits of proposed impact	N/A	
11. An assessment of potential impacts to federal and state listed threatened or endangered species, including any correspondence or documentation from federal or state resource agencies addressing potential impacts to listed species	Y	IP Application, Section 4.3.7
12. Upon request by the Department, evidence or certification that the material is free from toxic contaminants prior to disposal or that the dredging activity will not cause or contribute to a violation of water quality standards during dredging (e.g., grain size and composition analyses, tests for specific parameters or chemical constituents, or elutriate tests on the dredge material) (Section 80.B.1.k)	Y	IP Application, Section 4.3.20
13. A written description and a graphical depiction identifying all upland areas including buffers, wetlands, open water, other surface waters, and compensatory mitigation areas located within the proposed project boundary or permittee-responsible compensatory mitigation areas that are under a deed restriction, conservation easement, restrictive covenant, <u>or</u> other land use protective instrument (i.e., protected areas), including:	N/A	
13.a. The nature of the prohibited activities within the protected areas and the limits of Chesapeake Bay Resource Protection Areas (RPAs) as field-verified by the applicant; <u>and</u>	N/A	
13.b. If available, the limits as approved by the locality in which the project site is located, unless the proposed use is exempt from the Chesapeake Bay Preservation Area Designation and Management Regulations (9VAC25-830), as additional state or local requirements may apply if the project is located within an RPA	N/A	
14. Signature page (from JPA) containing original signature, date, and certification	Y	Attachment F, JPA Form
15. Permit application fee, if required (9VAC25-20). <i>Do not send payment with application to VMRC. Do not attach a copy of check, interagency transfer, account numbers, or credit card numbers to application.</i> Required fees will be communicated to applicants by program staff. Payments should be accompanied by a copy of the completed Water Division Permit Application Fee Form.	Y	[Attaching a copy of the completed Fee Form is acceptable but does not serve as proof of payment or deposit by DEQ]

For a Complete Application, the Following Compensation Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
16. A conceptual compensatory mitigation plan to achieve no net loss of wetland acreage and functions or stream functions and water quality benefits. Complete below for all that apply. (Section 80.B.1.h(2) and -C; Section 116.B and -C.3; § 62.1-44.15:23.B and -C)	Y	IP Application, Section 5.3
17. For the purchase of mitigation bank or in-lieu fee program credits Provide:	Y	IP Application, Section 5.3, Attachment J
17.a. The number and type of credits proposed to be purchased at the standard compensation to impact ratios of (2:1 for forest, 1.5:1 for scrub-shrub, and 1:1 for emergent);	Y	IP Application, Section 5.3, Attachment J
17.b. If applicable, for any project proposing less than the standard compensation ratios an analysis of the functions of impacted wetlands. When required, the method selected for the analysis shall assess water quality or habitat metrics and shall be coordinated with DEQ in advance of conducting the analysis.	Y	IP Application, Section 5.3, Attachment J
17.c. Documentation from the approved bank or in-lieu fee program sponsor of the availability of credits at the time of application;	Y	IP Application, Section 5.3, Attachment J
17.d. For projects occurring in a location for which there are no credits are available to purchase in the primary service area of any mitigation provider, or <ul style="list-style-type: none"> - at a price below 200% of the current price of credits applicable to that site from a Board-approved fund dedicated to achieving no net loss of wetland acreage and functions, The application must include documentation of the following per § 62.1-44.15:23 Provide:	Y	IP Application, Section 5.3, Attachment J
17.d(1) A determination of credit availability and credit price, at the time of submitting proof of credit availability with the application	Y	IP Application, Section 5.3, Attachment J
17.d(2) If the purchase or use of credits is from a secondary service area, the proof of acquisition of credits for a subdivision or development should include a plan - certified by a licensed professional engineer, surveyor, or landscape architect - that the permit applicant will implement for the planting, preservation, or replacement of trees on the development site, such that the minimum tree canopy percentage 20 years after development is projected to be as detailed in § 62.1-44.15:23.C	Y	IP Application, Section 5.3, Attachment J
18. For <u>all</u> permittee-responsible compensation (PRM) Provide:	N/A	
18.a. Project site location information:	N/A	
18.a(1) Physical street address, nearest street, or nearest route number;	N/A	
18.a(2) City or County;	N/A	
18.a(3) Zip code;	N/A	

For a Complete Application, the Following Compensation Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
18.a(4) Parcel number(s), if applicable;	N/A	
18.a(5) Name of impacted water body(ies) or receiving waters;	N/A	
18.a(6) Latitude and longitude at center of site(s) (to nearest second);	N/A	
18.a(7) National Watershed Boundary Dataset fourth order subbasin; <u>and</u>	N/A	
18.a(8) Detailed map: location of site(s), project boundary, and all preservation areas on site(s)	N/A	
18.b. An analysis to justify that permittee-responsible compensatory mitigation is ecologically and environmentally preferable to the purchase of mitigation bank credits or in-lieu fee program credits. Include:	N/A	
18.a(1) The ability of the permittee-responsible compensatory mitigation sites to replace lost wetland acreage and functions or lost stream functions and water quality benefits; <u>and</u>	N/A	
18.b(2) A comparison of the impacted and compensation sites via a method that assesses water quality or habitat metrics, such as that required by 9VAC25-210-80 C , or a method that assesses such criteria as water quality benefits, distance from impacts, hydrologic source and regime, watershed, vegetation type, soils, constructability, timing of compensation versus impact, property acquisition, and cost	N/A	
18.c. A draft of the intended protective mechanism(s) to demonstrate that permittee-responsible compensatory mitigation can be protected in perpetuity through a protective mechanism approved by DEQ, such as a conservation easement held by a third party in accordance with the Virginia Conservation Easement Act or the Virginia Open-Space Land Act; a duly recorded declaration of restrictive covenants; <u>or</u> other protective instrument. Include:	N/A	
18.c(1) A provision for access to the site;	N/A	
18.c(2) The following minimum restrictions, listed as: <ul style="list-style-type: none"> - no ditching, land clearing, or discharge of dredge or fill material; <u>and</u> - no activity in the area designated as compensatory mitigation area except for maintenance activities, corrective action measures, or DEQ-approved activities that are described in the approved final compensatory mitigation plan or long-term management plan; <u>and</u> 	N/A	
18.c(3) A long-term management plan that identifies a long-term steward and adequate financial assurances for long-term management in accordance with the current standard for mitigation banks and in-lieu fee program sites [Note: financial assurances will not be necessary for permittee-responsible compensation provided by government agencies on government property]	N/A	
19. For PRM for <u>wetland</u> impacts Provide:	N/A	

For a Complete Application, the Following Compensation Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
19.a. The goals and objectives in terms of replacement of wetland acreage and functions;	N/A	
19.b. A detailed location map including latitude and longitude to the nearest second and the fourth order subbasin, as defined by the hydrologic unit boundaries of the National Watershed Boundary Dataset, at the center of the site;	N/A	
19.c. A description of the surrounding land use;	N/A	
19.d. A hydrologic analysis including a draft water budget for nontidal areas based on expected monthly inputs and outputs that will project water level elevations for a typical year, a dry year, and a wet year;	N/A	
19.e. Groundwater elevation data, if available, or the proposed location of groundwater monitoring wells to collect these data;	N/A	
19.f. Wetland delineation confirmation, data sheets, and maps for existing surface water areas on the proposed site or sites; [Note: See DEQ Memorandum Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation, June 29, 2023, for more information about obtaining boundary and feature verifications in VA]	N/A	
19.g. A conceptual grading plan;	N/A	
19.h. A conceptual planting scheme including suggested plant species and zonation of each vegetation type proposed;	N/A	
19.i. A description of existing soils including general information on both topsoil and subsoil conditions, permeability, and the need for soil amendments;	N/A	
19.j. A draft design of any water control structures;	N/A	
19.k. Inclusion of buffer areas;	N/A	
19.l. A description of any structures and features necessary for the success of the site;	N/A	
19.m. The schedule for compensatory mitigation site construction; <u>and</u>	N/A	
19.n. Measures for the control of undesirable species	N/A	
20. For PRM for <u>stream</u> impacts Provide:	N/A	
20.a. The goals and objectives in terms of water quality benefits and replacement of stream functions;	N/A	
20.b. A detailed location map including the latitude and longitude to the nearest second and the fourth order subbasin, as defined by the hydrologic unit boundaries of the National Watershed Boundary Dataset, at the center of the site;	N/A	
20.c. A description of the surrounding land use;	N/A	
20.d. The proposed stream segment restoration locations including plan view and cross-sectional drawings;	N/A	
20.e. The stream deficiencies that need to be addressed;	N/A	

For a Complete Application, the Following Compensation Information Required	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
20.f. Data obtained from a DEQ-approved, stream impact assessment methodology such as the Unified Stream Methodology; [Note: See DEQ Memorandum <i>Recent Supreme Court Decision Sackett v. Environmental Protection Agency (EPA) - Effect in Virginia and How to Move Forward Without Economic Dislocation</i> , June 29, 2023, for more information about obtaining boundary and feature verifications in VA]	N/A	
20.g. The proposed restoration measures to be employed including channel measurements, proposed design flows, types of instream structures, and conceptual planting scheme;	N/A	
20.h. Reference stream data, if available;	N/A	
20.i. Inclusion of buffer areas;	N/A	
20.j. Schedule for restoration activities; <u>and</u>	N/A	
20.k. Measures for the control of undesirable species	N/A	

Optional Items to Assist in Expediting Processing:

Information	Included (Y, N, or N/A)	Page Number(s) Or Location(s)
21. When wetland impacts are over one acre: An analysis of the functions of wetlands proposed to be impacted may be required by DEQ (Section 80.C)	N/A	
22. GIS shape files of project boundary/polygon, impact boundaries/polygons, surface water boundaries/polygons	N	
23. A table of impacts directly on Delineation / Impact Map required for complete application	N	

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information."

Jeffrey Klinefelter

Applicant Printed Name

Applicant Signature

Date

4/9/2025

**ATTACHMENT A-2 – VWP PERMIT PROGRAM
PROPERTY-ACCESS AGREEMENT**



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

www.deq.virginia.gov

Stefanie K. Taillon
Acting Secretary of Natural and Historic Resources

Michael S. Rolband, PE, PWD, PWS Emeritus
Director

Virginia Water Protection Permit Program Property-Access Agreement

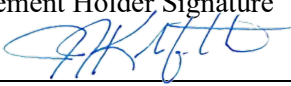
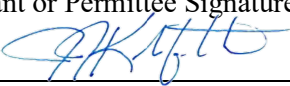
Mountain Valley Pipeline, LLC (Mountain Valley) holds easements by which they are allowed access within the Amendment Project Area and **Mountain Valley** hereby authorizes the Department of Environmental Quality, its employees, agents, and contractors (“Authorized Parties”) the right of entry to the Property to conduct inspections necessary to evaluate the application for and ensure compliance with the (“VWP Permit”).

For the purpose of this section, the time for inspection shall be deemed reasonable during regular business hours. Nothing contained herein shall make an inspection time unreasonable during an emergency.

Inspections may include but are not limited to the following activities:

1. Enter upon the property, and have access to, inspect and copy any records that required as part of the VWP permit;
2. Inspect any facilities, operations, or practices (including monitoring and control equipment) regulated or required under the VWP permit; and
3. Sample or monitor any substance, parameter, or activity for the purpose of ensuring compliance with the VWP permit or as otherwise required by law.

The Easement Holder and the Applicant or Permittee understands that access to the Amendment Project Area is a requirement pursuant to 9VAC25-210-90 and the VWP Permit. The DEQ may enforce the provisions of this agreement utilizing all applicable procedures and authorities under Va. Code §§ 62.1-44.15 and 10.1-1186.

Easement Holder Name (print) Jeffrey Klinefelter	Applicant or Permittee Name (print) Jeffrey Klinefelter
Easement Holder Signature 	Applicant or Permittee Signature 
Title VP, MVP Construction & Engineering	Title VP, MVP Construction & Engineering
Date April 2, 2025	Date April 2, 2025

ATTACHMENT A-3 – RIPARIAN PROPERTY OWNER INFORMATION

Attachment A-3 - Riparian Property Owner Information

Individual Permit Application

MVP Southgate Amendment Project

The information included in this table is exempt from disclosure pursuant to Exemption 6 to FOIA.

Parcel ID	Owner Name	Parcel Address	County	City	State	Zip Code	Latitude	Longitude
1356310719	HAIRSTON, MELISSA SIMS	7553 BERRY HILL RD	Pittsylvania	Cascade	VA	24069	36.548461	-79.626382
1356310719	HAIRSTON, MELISSA SIMS	7553 BERRY HILL RD	Pittsylvania	Cascade	VA	24069	36.5448	-79.615298
1356310719	HAIRSTON, MELISSA SIMS	7553 BERRY HILL RD	Pittsylvania	Cascade	VA	24069	36.557639	-79.626349
1356750037	DANVILLE-PITTSYLVANIA REGIONAL INDUSTRIAL FACILITY	6900 HARVILLE-SAUNDERS PARKWAY	Pittsylvania	Cascade	VA	24069	36.560269	-79.609301
1366892116	APPALACHIAN POWER COMPANY	4137 OAK HILL RD	Pittsylvania	Danville	VA	24541	36.570654	-79.605914
1367056253	DANVILLE-PITTSYLVANIA REGIONAL INDUSTRIAL FACILITY		Pittsylvania		VA	24541	36.58763	-79.596871
1367301931	DANVILLE-PITTSYLVANIA REGIONAL INDUSTRIAL FACILITY	3458 BERRY HILL RD	Pittsylvania	Danville	VA	24541	36.574124	-79.588037
1367344497	HILL, ISAAC C		Pittsylvania	Danville	VA	24541	36.585079	-79.587561
1367450707	GAWEL, LUKE RAFAEL		Pittsylvania		VA	24541	36.589122	-79.586199
1367452671	GUZMAN-GAWEL, FATIMA	2674 HORSESHOE RD	Pittsylvania	Danville	VA	24541	36.588646	-79.585347
1367654960	WARREN, ROBIN L	2560 HORSESHOE RD	Pittsylvania	Danville	VA	24541	36.589466	-79.577694
1367685019	BRYANT PROPERTIES AND HOLDINGS LLC	488 W WITHERS RD	Pittsylvania	Danville	VA	24541	36.595431	-79.577785
1367772500	JOHNSON, MARCUS ALAN		Pittsylvania	Danville	VA	24541	36.59355	-79.575204
1367795700	EST ENTERPRISES LLC		Pittsylvania	Danville	VA	24541	36.599982	-79.576566
1367875530	KAUFMANN, RICHARD J	1564 HORSESHOE RD	Pittsylvania	Danville	VA	24541	36.593896	-79.570683
1367981205	DAVIS, WILLIAM MICHAEL	1389 HORSESHOE RD	Pittsylvania	Danville	VA	24541	36.595945	-79.568641
1367997010	EST ENTERPRISES LLC		Pittsylvania	Danville	VA	24541	36.597821	-79.567185
1368800248	WHITLEY, JEFFREY CARR	833 GEMSTONE LN	Pittsylvania	Danville	VA	24541	36.60131	-79.571564
1368811016	EST ENTERPRISES LLC	860 HORSESHOE RD	Pittsylvania	Danville	VA	24541	36.60359	-79.567945
1378143208	BETTERTON, MARY HARDY	4252 STONY MILL RD	Pittsylvania	Danville	VA	24541	36.612687	-79.561682
1378151061	STONY MILL DEVELOPMENT 3 LLC		Pittsylvania		VA	24541	36.614724	-79.562089
1378153612	STONY MILL DEVELOPMENT 2 LLC		Pittsylvania		VA	24541	36.616125	-79.562144
1378155040	JONES, MUNSEY R JR	3615 STONY MILL RD	Pittsylvania	Danville	VA	24541	36.614675	-79.560889
1378155189	TRANSCONTINENTAL GAS PIPE LINE		Pittsylvania		VA	24541	36.615148	-79.560749
1378156224	CITY OF DANVILLE		Pittsylvania		VA	24541	36.615255	-79.560575
1378158699	STONY MILL DEVELOPMENT 4 LLC	3862 STONY MILL RD	Pittsylvania	Danville	VA	24541	36.616731	-79.559426
1378167258	BAGGERLY, SHIRLEY B		Pittsylvania		VA	24541	36.618137	-79.560192
1378241742	HYLTON, MARVIN E		Pittsylvania		VA	24541	36.613777	-79.558722
1378341487	BAGGERLY IRREVOCABLE TRUST DTD		Pittsylvania		VA	24541	36.61325	-79.555277
1378357543	BAGGERLY IRREVOCABLE TRUST DTD		Pittsylvania		VA	24541	36.616226	-79.553449
1379623464	PAYNE, SANDRA D	1921 STONY MILL RD	Pittsylvania	Danville	VA	24541	36.635191	-79.544717
1379706742	SANDY OAKS FARMS LLC		Pittsylvania		VA	24540	36.631089	-79.538996
1379831722	MOSER, ROGER D	1693 SILVER CREEK RD	Pittsylvania	Danville	VA	24540	36.639205	-79.537579
1379933906	KEATTS, ALBERT L JR		Pittsylvania	Danville	VA	24540	36.639356	-79.534671
1389025305	KEATTS, ALYSSA JANNELL	1440 MILLSVILLE LN	Pittsylvania	Danville	VA	24540	36.634864	-79.531953

Owner Phone Number, Email, Fax, and SCC are unknown and not included.

Attachment A-3 - Riparian Property Owner Information

Individual Permit Application

MVP Southgate Amendment Project

The information included in this table is exempt from disclosure pursuant to Exemption 6 to FOIA.

Parcel ID	Owner Name	Parcel Address	County	City	State	Zip Code	Latitude	Longitude
1389053049	CARTER, QUEEN LIFE TENANT ET ALS	1291 SILVER CREEK RD	Pittsylvania	Danville	VA	24540	36.642624	-79.53116
1389120973	KEATTS, ALBERT L	1280 MILLSVILLE LN	Pittsylvania	Danville	VA	24540	36.636665	-79.528685
1389127401	KEATTS, ALBERT L	1188 MILLSVILLE LN	Pittsylvania	Danville	VA	24540	36.638414	-79.528419
1389184204	COLEMAN, STEVEN L	924 SILVER CREEK RD	Pittsylvania	Danville	VA	24540	36.651413	-79.528141
1389186993	HYLTON, CHARLES C		Pittsylvania		VA	24540	36.653197	-79.526822
1389253235	JOHNSON, CHRISTOPHER P	1177 SILVER CREEK RD	Pittsylvania	Danville	VA	24540	36.642877	-79.525545
1389276997	COLEMAN, STEVEN L	624 SILVER CREEK RD	Pittsylvania	Danville	VA	24540	36.650565	-79.523297
1389280678	HYLTON, CHARLES C		Pittsylvania		VA	24540	36.65252	-79.525495
1389289979	HYLTON, CHARLES C	7889 MOUNT CROSS RD	Pittsylvania	Danville	VA	24540	36.653394	-79.522504
1389293860	HYLTON, CHARLES C		Pittsylvania		VA	24540	36.655629	-79.524533
1389390919	HYLTON, CHARLES C	7900 MOUNT CROSS RD	Pittsylvania	Danville	VA	24540	36.656751	-79.520826
1389390919	HYLTON, CHARLES C	7900 MOUNT CROSS RD	Pittsylvania	Danville	VA	24540	36.654421	-79.526471
1389795301	THOMASSON J W 2017 IRREVOCABLE TRUST DTD 6/30/17		Pittsylvania		VA	24540	36.654481	-79.507027
1480317313	HUDSON, KENNETH L	1365 TUNSTALL HIGH RD	Pittsylvania	Danville	VA	24540	36.660395	-79.519792
1480526445	POLLOK LIVING TRUST DTD		Pittsylvania		VA	24540	36.663402	-79.515126
1480627374	RUST, RICHARD L		Pittsylvania		VA	24540	36.662703	-79.509732
1480723286	RUST, DOUGLAS CRAWLEY	5660 WHITMELL SCHOOL RD	Pittsylvania	Dry Fork	VA	24540	36.66188	-79.507348
1480744175	FERGUSON, TODD W	5461 WHITMELL SCHOOL RD	Pittsylvania	Dry Fork	VA	24549	36.667665	-79.507237
1480749292	WHITE, WILLIAM SAUNDERS	5475 WHITMELL SCHOOL RD	Pittsylvania	Dry Fork	VA	24549	36.667972	-79.505408
1480807651	GILLIAM, LAURA W		Pittsylvania		VA	24540	36.658151	-79.502774
1480857583	WSW FARM LLC		Pittsylvania		VA	24549	36.671556	-79.502797
1480941353	WHITE, WILLIAM S	5717 WHITMELL SCHOOL RD	Pittsylvania	Dry Fork	VA	24549	36.668259	-79.501475
1480977043	WHITE, WILLIAM S		Pittsylvania		VA	24549	36.675775	-79.499729
1490049682	POLLOK LIVING TRUST DTD		Pittsylvania		VA	24549	36.669185	-79.495281
1490252990	DALTON, BRADFORD C	480 CLEARVIEW RD	Pittsylvania	Danville	VA	24540	36.673366	-79.492248
1490282154	DALTON, DAVID C	444 CLEARVIEW DR	Pittsylvania	Danville	VA	24540	36.678593	-79.49098
1490287861	DALTON, DAVID C		Pittsylvania		VA	24549	36.680636	-79.489451
1490379834	ARCHER, BYRON H	2045 SANDY CREEK RD	Pittsylvania	Dry Fork	VA	24549	36.678045	-79.485363
1490493410	PAYNE, BENJAMIN H III		Pittsylvania	Dry Fork	VA	24549	36.682169	-79.48367
1491216183	WORSHAM, BILLY GREGORY		Pittsylvania		VA	24549	36.687208	-79.489638
1491404388	PAYNE, BENJAMIN H III	2380 HUTSON RD	Pittsylvania	Dry Fork	VA	24549	36.685145	-79.483216
1491415453	FARMER, JERRY E	2220 HUTSON RD	Pittsylvania	Dry Fork	VA	24549	36.687866	-79.483323

Owner Phone Number, Email, Fax, and SCC are unknown and not included.

Attachment A-3 - Riparian Property Owner Information

Individual Permit Application

MVP Southgate Amendment Project

The information included in this table is exempt from disclosure pursuant to Exemption 6 to FOIA.

Parcel ID	Owner Name	Parcel Address	County	City	State	Zip Code	Latitude	Longitude
1491420731	HUTSON, MICHAEL D	1737 HUTSON RD	Pittsylvania	Dry Fork	VA	24549	36.691149	-79.485001
1491629864	BURTON, PATRICIA PAYNE		Pittsylvania		VA	24549	36.691724	-79.475001
1491657149	HUTSON, PHILLIP W	1221 HUTSON RD	Pittsylvania	Dry Fork	VA	24549	36.698651	-79.475763
1491821230	INDEPENDENT TIMBER INC		Pittsylvania	Dry Fork	VA	24549	36.690276	-79.469518
1491852595	HARPER JAMES R REVOCABLE TRUST DTD		Pittsylvania		VA	24549	36.699269	-79.47082
1491863788	HARPER, ADAM J		Pittsylvania		VA	24549	36.70269	-79.470573
1491882609	INDEPENDANT TIMBER INC		Pittsylvania		VA	24549	36.708536	-79.470408
2401130696	HARPER JAMES R REVOCABLE TRUST DTD	424 HARPERS DAIRY RD	Pittsylvania	Dry Fork	VA	24549	36.697561	-79.463686
2402147646	EMERSON IRYE RAY SR 2016 IRREVOC TRUST DTD 4/26/16		Pittsylvania		VA	24549	36.723806	-79.459238
2402339883	EMERSON, IRYE RAY JR	1873 HOPEWELL RD	Pittsylvania	Dry Fork	VA	24549	36.722115	-79.451941
2402572108	BRIGHT LEAF ENERGY LLC	1101 HOPEWELL RD	Pittsylvania	Dry Fork	VA	24549	36.72697	-79.445138
2402652646	STOWE, MICHAEL R	1101 HOPEWELL RD	Pittsylvania	Dry Fork	VA	24549	36.731087	-79.448382
2402770019	STOWE, MICHAEL R		Pittsylvania		VA	24549	36.730167	-79.441558
2402783404	ECHOLS, THOMAS ET ALS		Pittsylvania		VA	24549	36.733681	-79.437615
2403900325	HYLTON, PHILLIP D LIFE TENANT ET ALS		Pittsylvania		VA	24549	36.740848	-79.434155
2403905329	HYLTON, PHILLIP D	537 HYLTON LN	Pittsylvania	Dry Fork	VA	24549	36.741337	-79.430983
2413020411	DEBOE, DONALD WAYNE		Pittsylvania		VA	24549	36.745844	-79.432058
2413113937	LANGEWATER LLC	2533 DRY FORK RD	Pittsylvania	Dry Fork	VA	24549	36.744759	-79.427533
2413211679	ZABEC LLC		Pittsylvania		VA	24549	36.744722	-79.423469
2413240281	NEAL, DUANE W	388 WHITE OAK CIR	Pittsylvania	Dry Fork	VA	24549	36.751098	-79.421486
2413257197	M KENDALL LUMBER COMPANY INC		Pittsylvania		VA	24549	36.753638	-79.421944
2413269373	KENDALL, MARSHALL H DECLARATION TRUST DTD		Pittsylvania		VA	24549	36.756844	-79.421362
2413596730	PITTSYLVANIA COUNTY VA		Pittsylvania		VA	24531	36.766143	-79.41241
2413668522	RLK LAND LLC		Pittsylvania		VA	24531	36.757605	-79.408265
2414912286	ATKINSON JACKIE RAY SR LIVING TRUST DTD		Pittsylvania		VA	24531	36.770091	-79.39984
2424041919	WHITEHEAD, MARGARET KATHARINE	253 SAMUEL HARRIS LN	Pittsylvania	Chatham	VA	24531	36.780486	-79.397518
2424049040	ROACH, MALCOLM DALE JR	12957 U S HIGHWAY NO 29	Pittsylvania	Chatham	VA	24531	36.778005	-79.394673
2424135105	MCKINNON, MARY ANN BUMGARNER		Pittsylvania		VA	24531	36.775763	-79.392569
2424330471	ATKINSON RENTALS LLC	12592 U S HIGHWAY NO 29	Pittsylvania	Chatham	VA	24531	36.776151	-79.387058
2424342468	ROGERS, WILLIAM H JR		Pittsylvania		VA	24531	36.778837	-79.383544
2424357169	ROGERS, WILLIAM H JR		Pittsylvania		VA	24531	36.781719	-79.385182
2424480029	VANDERHYDE, KATHLEEN M	864 FAIRVIEW RD	Pittsylvania	Chatham	VA	24531	36.791094	-79.383452
2424574798	VANDERHYDE, KATHLEEN M	696 FAIRVIEW RD	Pittsylvania	Chatham	VA	24531	36.787811	-79.380307
2425921329	BATTERMAN, RAYMOND WILLIAM JR LIFE TENANT ET ALS	556 BATTERMAN RD	Pittsylvania	Chatham	VA	24531	36.801352	-79.366584
2425951974	SHACKELFORD, CHERYL ELIZABETH ET ALS	900 MEADDOCK LN	Pittsylvania	Chatham	VA	24531	36.810913	-79.366687
2435028028	HUNTER, PHYLLIS B		Pittsylvania		VA	24531	36.800794	-79.361003

Owner Phone Number, Email, Fax, and SCC are unknown and not included.

Attachment A-3 - Riparian Property Owner Information

Individual Permit Application

MVP Southgate Amendment Project

The information included in this table is exempt from disclosure pursuant to Exemption 6 to FOIA.

Parcel ID	Owner Name	Parcel Address	County	City	State	Zip Code	Latitude	Longitude
2435069728	HARMON, BILLIE ANNE LIVING TRUST	2172 HALIFAX RD	Pittsylvania	Chatham	VA	24531	36.814007	-79.359127
2435249241	EATON, NOYD G JR	3437 FAIRVIEW RD	Pittsylvania	Chatham	VA	24531	36.807905	-79.356329
2435270254	LOWE, GLENN ANTHONY	2530 HALIFAX RD	Pittsylvania	Chatham	VA	24531	36.815183	-79.354656
2435366438	FELIX, FELIX REYMUNDO	3829 FAIRVIEW RD	Pittsylvania	Chatham	VA	24531	36.812514	-79.351587
2435393788	ADKINS, SAMUEL J	406 FAIRVIEW NORTH	Pittsylvania	Chatham	VA	24531	36.82278	-79.351616
2435464844	SCEARCE, JAMES TROTTER LIFE TENANT ET ALS		Pittsylvania		VA	24531	36.813444	-79.348562
2435497240	SHORTER, LISA B	220 FAIRVIEW N	Pittsylvania	Chatham	VA	24531	36.819968	-79.347464
2435577174	MAXEY PROPERTIES LLC	3240 HALIFAX RD	Pittsylvania	Chatham	VA	24531	36.814192	-79.344072
2435585076	MAXEY PROPERTIES LLC		Pittsylvania		VA	24531	36.81685	-79.343701
2436426652	JONES, WILLIAM S ET ALS		Pittsylvania		VA	24531	36.829624	-79.349301
2436603630	MOUNTAIN VALLEY PIPELINE LLC	987 TRANSCO RD	Pittsylvania	Chatham	VA	24531	36.824816	-79.343282
80000003493	JOHNSON JACKIE BURRIS	4727 NC 700	Rockingham	Eden	NC	27288	36.495927	-79.678897
800000124023	CORBIN JIMMY CLYDE	190 COCHRAN FARM TRAIL	Rockingham	Eden	NC	27288	36.500946	-79.675489
800000238073	BARBER MARION LAMBERT	2222 THIRD STREET	Rockingham	Eden	NC	27288	36.503949	-79.670676
800000332935	JOHNSON T M	0 PINEKNOTT DR	Rockingham	Eden	NC	27288	36.506482	-79.669594
800000534436	FRANK BARRY S	0 THIRD ST	Rockingham	Eden	NC	27288	36.504658	-79.662848
800000790459	BRADY FAMILY FARM LLC	600 WILLOW OAK DRIVE	Rockingham	Eden	NC	27288	36.521663	-79.656863
800000858977	BOHANNON DEBORAH L	0 OFF STATE ROAD 1755	Rockingham	Ruffin	NC	27326	36.512155	-79.650337
800000962871	POWELL JAMES MICHAEL	0 SCHOOLFIELD RD	Rockingham	Ruffin	NC	27326	36.514459	-79.648756
801000088390	BETTINGER RICHARD J	0 SCHOOLFIELD RD	Rockingham	Ruffin	NC	27326	36.518561	-79.643494
801000186651	POWELL JAMES MICHAEL	0 SCHOOLFIELD (OFF) RD	Rockingham	Ruffin	NC	27326	36.519409	-79.640698
801100055527	HOLLIDAY CAROLINE FRANKLIN	12917 NC 770	Rockingham	Eden	NC	27288	36.538116	-79.64618
801100204859	CIRCLE BAR D RANCH LLC	12576 NC 770	Rockingham	Eden	NC	27288	36.525795	-79.638416
801100330431	RANCH PROPERTIES LLC	12910 NC 770	Rockingham	Eden	NC	27288	36.532627	-79.636276
801100330431	RANCH PROPERTIES LLC	12910 NC 770 HW	Rockingham	Eden	NC	27288	36.535944	-79.641695
890900092075	PUBLIC SERVICE COMPANY OF NORTH CAROLINA INC	4903 NC 700	Rockingham	Eden	NC	27288	36.49374	-79.679236
890900193103	JOHNSON GEORGE WALTER III	1221 CHUMNEY LOOP	Rockingham	Eden	NC	27288	36.493559	-79.675664
890900290142	STRONG SWAIM C	1155 CHUMNEY LOOP	Rockingham	Eden	NC	27288	36.493363	-79.673065
890900387465	GREENBRIER PIPELINE CO LLC	0 CHUMNEY LP	Rockingham	Ruffin	NC	27326	36.493773	-79.667409

Owner Phone Number, Email, Fax, and SCC are unknown and not included.

ATTACHMENT A-4 – USACE NORFOLK DISTRICT PJD REQUEST

RE: MVP Southgate Amendment Project - PJD Request Norfolk District

From King, Christian M <cmking2@burnsmcd.com>

Date Wed 2025-03-19 2:31 PM

To Vanderploeg, Steven A CIV USARMY CENAO (USA) <Steven.A.Vanderploeg@usace.army.mil>

Cc Ferry, Lori M <lmferry@burnsmcd.com>; Heller Leib, Abigail (Abby) <ahellerleib@burnsmcd.com>; John.Tessier@nee.com <John.Tessier@nee.com>; Sabol, James <james.sabol@eqt.com>; Jeffrey.Klinefelter@eqt.com <Jeffrey.Klinefelter@eqt.com>

Hi Steven,

Please see the following link for an updated PDF figure showing the revised wetland and stream boundaries following the PJD site visit.

 [MVP Southgate Amendment Project - PJD Request Norfolk District](#)

Would you be able to provide a DoD safe link to upload the figure as well?

Thank you,
Christian

From: King, Christian M

Sent: Thursday, February 20, 2025 4:43 PM

To: Vanderploeg, Steven A CIV USARMY CENAO (USA) <Steven.A.Vanderploeg@usace.army.mil>

Cc: Ferry, Lori M <lmferry@burnsmcd.com>; Heller Leib, Abigail (Abby) <ahellerleib@burnsmcd.com>; John.Tessier@nee.com; Sabol, James <james.sabol@eqt.com>; Jeffrey.Klinefelter@eqt.com

Subject: RE: MVP Southgate Amendment Project - PJD Request Norfolk District

Hi Steven,

Following up on the PJD site visit next week, please see attached here for shapefiles and a KMZ of the updated wetland and stream boundaries for Virginia. We are updating a PDF figure of the wetlands and streams and can email that and bring a paper copy to the site visit next week. Please let us know if you need any additional information prior to the site visit.

Thanks,
Christian

From: Vanderploeg, Steven A CIV USARMY CENAO (USA) <Steven.A.Vanderploeg@usace.army.mil>

Sent: Monday, January 27, 2025 8:33 AM

To: King, Christian M <cmking2@burnsmcd.com>

Cc: Ferry, Lori M <lmferry@burnsmcd.com>; Heller Leib, Abigail (Abby) <ahellerleib@burnsmcd.com>; John.Tessier@nee.com; Sabol, James <james.sabol@eqt.com>; Jeffrey.Klinefelter@eqt.com

Subject: RE: MVP Southgate Amendment Project - PJD Request Norfolk District

Thanks Christian. I will send you a safe link in just a sec and get with you this week to schedule a site visit.

Thanks,

Steven

Steven VanderPloeg
Environmental Scientist
US Army Corps of Engineers, Norfolk District
Western Virginia Regulatory Section
9100 Arboretum Parkway, Suite 235
Richmond, VA 23236
(804) 397-9836

From: King, Christian M <cmking2@burnsmcd.com>
Sent: Friday, January 24, 2025 5:43 PM
To: Vanderploeg, Steven A CIV USARMY CENAO (USA) <Steven.A.Vanderploeg@usace.army.mil>
Cc: Ferry, Lori M <lmferry@burnsmcd.com>; Heller Leib, Abigail (Abby) <ahellerleib@burnsmcd.com>;
John.Tessier@nee.com; Sabol, James <james.sabol@eqt.com>; Jeffrey.Klinefelter@eqt.com
Subject: [Non-DoD Source] MVP Southgate Amendment Project - PJD Request Norfolk District

Hi Steven,

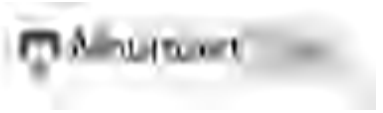
We are submitting this request for a Preliminary Jurisdictional Determination for the proposed MVP Southgate Amendment Project.
Please see the link below which includes a cover letter, the Norfolk District pre-application/jurisdictional determination request form, wetland delineation report site information summary form, and wetland delineation report.

[MVP Southgate Amendment Project - PJD Request Norfolk District](#)

Please let us know if you have any questions during your review or if you would like for us to upload the files to a DoD SAFE link.

Thank you,

Christian King, PWS \ Burns & McDonnell
Staff Environmental Scientist \ Environmental Services
O 816-782-6028 \ M 317-416-6128
cmking2@burnsmcd.com \ burnsmcd.com
200 West Adams Street, Suite 2700 \ Chicago, IL 60606



January 24, 2025

Steven VanderPloeg
U.S. Army Corps of Engineers, Norfolk District
803 Front Street
Norfolk, VA 23510

Re: MVP Southgate Amendment Project – Preliminary Jurisdictional Determination Request

Dear Mr. VanderPloeg:

Mountain Valley Pipeline, LLC (MVP), is submitting this request for a Preliminary Jurisdictional Determination (PJD) of aquatic resources identified in Virginia for the proposed MVP Southgate Amendment Project (Amendment Project) in Pittsylvania County, Virginia. The Amendment Project includes the construction of a new 31.36 mile, 30-inch diameter natural gas pipeline that begins in Pittsylvania County, Virginia and ends in Rockingham County, North Carolina. A total of 26.75 miles of the pipeline would be constructed in Virginia, which begins southwest of Transco Road in Transco Village, VA and ends at the Virginia-North Carolina border northeast of the intersection of U.S. Highway 311 and Buffalo Road. The Amendment Project Area within Virginia includes a 586.8-acre survey corridor that ranges from 100 to 300 feet wide and consists primarily of broadleaf deciduous and mixed forests, pine plantations, current and former pastures, and planted row crops.

A wetland delineation was completed for the Amendment Project Area on June 3 through 18, August 19 through September 4, September 26, and October 3, 2024. The wetland delineation was conducted in accordance with the 1987 Corps of Engineers Wetland Delineation Manual and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region – Version 2.0. A summary of the wetland delineation and each identified aquatic resource is provided in the Wetland Delineation Report Site Information Summary in Attachment 2. Figures, data forms, and a photograph log for the aquatic resources are included in the Wetland Delineation Report in Attachment 3. In total, 132 wetlands and 105 streams were identified within the Amendment Project Area during the delineations in Virginia. At this time, we are requesting a preliminary jurisdictional determination of what was delineated. Please let us know if you need additional information to complete the preliminary jurisdictional determination.

Sincerely,

Jeffrey Klinefelter
Vice President, Construction and Engineering
EQT Corporation

Attachments

- Attachment 1 – Pre-Application and/or Jurisdictional Waters Determination Request Form
- Attachment 2 – Wetland Delineation Report Site Information Summary
- Attachment 3 – Wetland Delineation Report

cc: John Tessier, NextEra Energy, Inc.
James Sabol, EQT Corporation

**ATTACHMENT 1 – PRE-APPLICATION AND/OR
JURISDICTIONAL WATERS DETERMINATION REQUEST FORM**



NORFOLK DISTRICT REGULATORY OFFICE PRE-APPLICATION AND/OR JURISDICTIONAL WATERS DETERMINATION REQUEST FORM

This form is used when you want to determine if areas on your property fall under regulatory requirements of the U.S. Army Corps of Engineers (USACE). Please supply the following information and supporting documents described below. This form can be filled out online and/or printed and then mailed, faxed, or e-mailed to the Norfolk District. Submitting this request authorizes the US Army Corps of Engineers to field inspect the property site, if necessary, to help in the determination process. **THIS FORM MUST BE SIGNED BY THE PROPERTY OWNER TO BE CONSIDERED A FORMAL REQUEST.**

The printed form and supporting documents should be mailed to:

U.S. Army Corps of Engineers, Norfolk District
Regulatory Office
803 Front Street
Norfolk, Virginia 23510-1096

Or faxed to (757) 201-7678

Or sent via e-mail to: CENAO.REG_ROD@usace.army.mil

Additional information on the Regulatory Program is available on our website at:

<http://www.nao.usace.army.mil/technical%20services/Regulatory%20branch/homepage.asp>

Please contact us at 757-201-7652 if you need any assistance with filling out this form.

Location and Information about Property to be subject to a Jurisdictional Determination:

1. Date of Request: **January 24, 2025**
2. City or County where property located: **Pittsylvania County, Virginia**
3. Address of property and directions (attach a map of the property location and a copy of the property plat):
The Virginia portion of the Amendment Project begins southwest of Transco Road in Transco Village, Virginia (36.835681°N, -79.340417°W) and terminates at the Virginia-North Carolina border (36.541631°N, -79.632697°W) 0.18 miles northeast of the intersection of U.S. Highway 311 and Buffalo Road.
4. Size of property in acres: **586.8 acres**
5. Tax Parcel Number / GPIN (if available):
Please see the table below for the list of parcels that the Amendment Project crosses.

6. Name of Nearest Waterway: **Little Cherrystone Creek, Cherrystone Creek, the Banister River, White Oak Creek, Sandy Creek, the Sandy River, Trayner Branch, and Trotters Creek**
7. Brief Description of Proposed Activity, Reason for Preapplication Request, and/or Reason for Jurisdictional Waters Determination Request:
The PJD is being requested for the Amendment Project, which includes the construction of a new 31.36 mile, 30-inch diameter natural gas pipeline initiating in Pittsylvania County, Virginia and terminating in Rockingham County, North Carolina.
8. Has a wetland delineation/determination been completed by a consultant or the Corps on the property previously? ☒ YES ☐ NO ☐ UNKNOWN

If yes, please provide the name of the consultant and/or Corps staff and Corps permit number, if available: **Please note that previous delineations/determinations were completed >5 years ago.**

Property Owner Contact Information:

Property Owner Name: **Jeffrey Klinefelter**
Mailing Address: **2200 Energy Drive**
City: State: Zip: **Canonsburg, PA 15317**
Daytime Telephone: **724-873-1378**
E-mail Address: **jeffrey.klinefelter@eqt.com**

If the person requesting the Jurisdictional Determination is **NOT** the Property Owner, please also supply the Requestor's contact information here:

Requestor Name:
Mailing Address:
City: State: Zip:
Daytime Telephone:
E-mail Address:

Additionally, if you have any of the following information, please include it with your request: wetland delineation map, other relevant maps, drain tile survey, topographic survey, and/or site photographs.

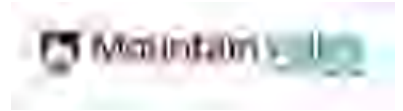
CERTIFICATION: I am hereby requesting a preapplication consultation or jurisdictional waters and/or wetlands determination from the U.S. Army Corps of Engineers, for the property(ies) I have described herein. I agree to allow the duly authorized representatives of the Norfolk District Corps of Engineers and other regulatory or advisory agencies to enter upon the premises of the project site at reasonable times to evaluate inspect and photograph site conditions. This consent to enter the property is superior to, takes precedence over, and waives any communication to the contrary. For example, if the property is posted as "no trespassing" this consent specifically supercedes and waives that prohibition and grants permission to enter the property despite such posting. I hereby certify that the information contained in the Request for a Jurisdictional Determination is accurate and complete:



Property Owner's Signature

January 24, 2025

Date



Parcels within the Amendment Project Area

Parcel Number	Owner Name	Owner Address
1389-27-3339	Steven L. Coleman and Debra C. Coleman	4148 Stony Mill Rd., Danville, VA 24541
2436-53-9983	Mountain Valley Pipeline, LLC	625 Liberty Ave., #1700, Pittsburgh, PA 15222
2435-49-7240	Lisa B. Shorter	P.O. Box 1113, Chatham, VA 24531
2435-38-1783	Kyle O. Garner and Sherri S. Garner	395 Fairview N., Chatham, VA 24531
2435-38-0701	David Lee Adams and Teressa H. Adams	4117 Fairview Rd., Chatham, VA 24531
2435-28-9138	Carlton Vaden Morton and Betty Brown Morton	P.O. Box 62, Chatham, VA 24531
2435-27-0254	Faye L. Lowe and Glenn Anthony Lowe	2784 Old Mine Rd., Gretna, VA 24557
2435-06-9728	Billie Anne Harmon Living Trust c/o Dana H. Sparks	2880 Golf Club Rd., Danville, VA 24540
2425-95-1974	John W. Craddock, Jeffrey E. Craddock and Kenneth M. Craddock	1312 Riddle Rd., Chatham, VA 24531
2425-92-1329	Sandra Batterman Church	2750 Huguenot Springs Rd., Midlothian, VA 23113
2425-71-4250	Janette L. Riggan and Marsha E. Frith	P.O. Box 1232, Martinsville, VA 24115
2425-51-5492	Kathleen M. VanDerHyde	269 Vanderhyde Dairy Farm Rd., Chatham, VA 24531
2425-71-4250	Janette L. Riggan and Marsha E. Frith	P.O. Box 1232, Martinsville, VA 24115
2424-59-8953	Kathleen M. VanDerHyde	269 Vanderhyde Dairy Farm Rd., Chatham, VA 24531
2424-59-7932	Kathleen M. VanDerHyde	269 Vanderhyde Dairy Farm Rd., Chatham, VA 24531
2424-59-5941	Kathleen M. VanDerHyde	269 Vanderhyde Dairy Farm Rd., Chatham, VA 24531
2424-57-4798	Kathleen M. VanDerHyde	269 Vanderhyde Dairy Farm Rd., Chatham, VA 24531
2424-48-2850	Kathleen M. VanDerHyde	269 Vanderhyde Dairy Farm Rd., Chatham, VA 24531
2424-37-2306	Kathryn M. Nicholson	612 Woodlawn Academy Rd., Chatham, VA 24531
2424-35-7169	William H. Rogers, Jr. and Judith R. Rogers	460 Carter Lodge Rd., Blairs, VA 24527
2424-34-2468	William H. Rogers, Jr. and Judith R. Rogers	460 Carter Lodge Rd., Blairs, VA 24527
2424-15-8616	William H. Rogers, Jr. and Judith R. Rogers	460 Carter Lodge Rd., Blairs, VA 24527
2424-15-5457	Willie Thomas Fitzgerald and Curtis Wayne Galloway, Trustees for Belle Gove Church a/k/a Belle Grove Primitive Baptist Church	473 Mill Creek Rd., Chatham, VA 24531
2424-15-4999	Willie Thomas Fitzgerald and Curtis Wayne Galloway, Trustees for Belle Gove Church a/k/a Belle Grove Primitive Baptist Church	473 Mill Creek Rd., Chatham, VA 24531
2424-15-3531	Vivian Parsons Parrish	140 Cambridge Circle, Danville, VA 24541
2424-04-1919	Margaret Katharine Whitehead and Robert Walton McNutt, Jr.	P.O. Box 947, Chatham, VA 24531
2424-04-9040	Malcolm Dale Roach, Jr.	600 Bearskin Substation Rd., Chatham, VA 24531
2414-91-2286	Jackie Ray Atkinson	11541 US Highway 29, Chatham, VA 24531
2414-70-4055	Frances M. Crews and Gail M. Held	129 Doe Trail Ln., Statesville, NC 28625
2413-59-6730	Pittsylvania County, VA	P.O. Box 426, Chatham, VA 24531
2413-47-1490	Pittsylvania County, VA	P.O. Box 426, Chatham, VA 24531
2413-26-9373	Marshall H. Kendall	P.O. Box 39, Blairs, VA 24527-2807



Parcel Number	Owner Name	Owner Address
2413-25-7197	M. Kendall Lumber Company, Inc.	P.O. Box 39, Blairs, VA 24527
2413-24-0281	Duane W. Neal	364 Ripley Dr., Danville, VA 24540
2413-24-0281	Duane W. Neal	364 Ripley Dr., Danville, VA 24540
2413-13-9323	David H. Crane and Joyce J. Crane	2372 Dry Fork Rd., Dry Fork, VA 24549
2413-11-3937	Charlie Thomas Crane, Jr.	301 Pleasant Gap Dr., Dry Fork, VA 24549
2413-02-0411	Donald Deboe and Kim G. Deboe	1600 White Oak Cir., Dry Fork, VA 24549
2403-90-5329	Phillip D. Hylton and Brenda L. Hylton	461 Hylton Ln., Dry Fork, VA 24549
2403-71-4078	Keith C. Hylton, Sr. and Linda B. Hylton	216 Hylton Ln., Dry Fork, VA 24549
2402-98-0934	Thomas E. Echols, Ronnie W. Echols and Norris E. Echols	787 Hylton Ln., Dry Fork, VA 24549
2402-78-3404	Thomas E. Echols, Ronnie W. Echols, Timothy K. Echols, and Norris E. Echols	787 Hylton Ln., Dry Fork, VA 24549
2402-77-0019	Michael R. Stowe	1104 Hopewell Rd., Dry Fork, VA 24549
2402-57-2108	Michael R. Stowe	1104 Hopewell Rd., Dry Fork, VA 24549
2402-65-2646	Timothy L. Shelton and Elaine K. Shelton	3804 Dry Fork Rd., Dry Fork, VA 24549
2402-33-9883	Irye Ray Emerson and Carol H. Emerson	2348 Hopewell Rd., Dry Fork, VA 24549
2402-41-1695	Irye Ray Emerson, Sr.	660 Tobacco Rd., Dry Fork, VA 24549
2402-14-7646	Irye Ray Emerson, Sr.	660 Tobacco Rd., Dry Fork, VA 24549
2402-22-0084	Irye Ray Emerson, Sr.	660 Tobacco Rd., Dry Fork, VA 24549
2402-12-8051	Edward Jay Frisbee and Krystal Siegel Inman Frisbee	677 Tobacco Rd., Dry Fork, VA 24549
2402-11-6493	Mildred W. Emerson, Clarence A. Emerson, Jr. and Robin K. Emerson	413 Emerson Rd., Dry Fork, VA 24549
2401-29-7987	Frank Junior Emerson and Mildred W. Emerson	413 Emerson Rd., Dry Fork, VA 24549
2402-11-2650	William Emmett Martin and Janice Eaton Martin	425 Tobacco Rd., Dry Fork, VA 24549
2402-11-2352	William Emmett Martin and Janice Eaton Martin	425 Tobacco Rd., Dry Fork, VA 24549
2402-00-7999	William Emmett Martin and Janice Eaton Martin	425 Tobacco Rd., Dry Fork, VA 24549
2401-09-3809	Francis M. Martin, Thomas O. Martin and Anna Martin Day	437 Tobacco Rd., Dry Fork, VA 24549
1491-88-2609	Independent Timber, Inc.	425 Tobacco Rd., Dry Fork, VA 24549
1491-86-3788	Adam J. Harper	900 Harper Rd., Dry Fork, VA 24549
1491-65-7149	Phillip W. Hutson and Susan H. Hutson	1221 Hutson Rd., Dry Fork, VA 24549
1491-91-0504	Independent Timber, Inc.	425 Tobacco Rd., Dry Fork, VA 24549
1491-62-4268	Phillip W. Hutson and Susan H. Hutson	1221 Hutson Rd., Dry Fork, VA 24549
1491-43-0493	Velma Lorene Haynes Hutson	1552 Hutson Rd., Dry Fork, VA 24549
1491-21-6183	Earl Melvin Worsham and Joan A. Worsham	P.O. Box 88, Danville, VA 24543
1490-39-3607	Earl Melvin Worsham and Joan A. Worsham	P.O. Box 88, Danville, VA 24543
1490-29-6396	Earl Melvin Worsham and Joan A. Worsham	P.O. Box 88, Danville, VA 24543
1490-28-7861	David C. Dalton and Nancy C. Dalton	124 Bent Creek Rd., Danville, VA 24540
1490-28-2154	David C. Dalton and Nancy C. Dalton	124 Bent Creek Rd., Danville, VA 24540
1490-08-8470	David C. Dalton and Nancy C. Dalton	124 Bent Creek Rd., Danville, VA 24540
1480-97-7043	Beverly S. White and William S. White	5717 Whitmell School Rd., Dry Fork, VA 24549
1480-85-7583	Judith Sandridge Bridges	5475 Whitmell School Rd., Dry Fork, VA 24549
1480-74-4175	Keith James Flinchum	180 Cedar Ridge Rd., Dry Fork, VA 24549
1480-74-9292	Judith Sandridge Bridges	5475 Whitmell School Rd., Dry Fork, VA 24549
1480-52-6445	Robert Morris Pollok, Jr.	1324 Clearview Dr., Danville, VA 24540



Parcel Number	Owner Name	Owner Address
1480-62-7374	Richard L. Rust and Lori R. Rust	5498 Whitmell School Rd., Dry Fork, VA 24549
1480-31-7313	Kenneth L. Hudson and Patricia A. Hudson	1557 Tunstall High Rd., Danville, VA 24540
1389-49-6879	Danny M. Barber	7728 Mount Cross Rd., Danville, VA 24540
1389-39-0919	Charles C. Hylton and Sandra W. Hylton	7889 Mount Cross Rd., Danville, VA 24540
1389-39-9551	Danny M. Barber	7728 Mount Cross Rd., Danville, VA 24540
1389-28-9979	Charles C. Hylton and Sandra W. Hylton	7889 Mount Cross Rd., Danville, VA 24540
1389-27-6997	Steven L. Coleman and Debra C. Coleman	4148 Stony Mill Rd., Danville, VA 24541
1389-18-4204	Steven L. Coleman and Debra C. Coleman	4148 Stony Mill Rd., Danville, VA 24541
1389-25-1372	Christopher P. Johnson and Darcey S. Johnson	1193 Silver Creek Rd., Danville, VA 24540
1379-93-3906	Albert L. Keatts and Ocie Adams Keatts	1268 Millsville Ln., Danville, VA 24540
1379-62-3464	Sandra D. Payne	1921 Stony Mill Rd., Danville, VA 24541
1379-70-6742	Sandy Oaks Farms, LLC c/o Brian Lavinder	260 Ragsdale Rd, Danville, VA 24541
1379-60-0629	Sandra D. Payne	1921 Stony Mill Rd., Danville, VA 24541
1379-70-6742	Sandy Oaks Farms, LLC c/o Brian Lavinder	260 Ragsdale Rd, Danville, VA 24541
1378-58-6247	Baggerly Irrevocable Trust c/o John L. Baggerly	6236 Midsummer Ln., Roanoke, VA 24018
1378-38-8721	Nancy H. Weatherford	3356 Stony Mill Rd., Danville, VA 24541
1378-48-4107	Junior Franklin McBride and Joyce W. McBride	465 Cedar Spring Rd., Danville, VA 24541
1378-37-1447	Jay Michael Smith	107 Mosswood Court, Chapel Hill, NC 27516
1378-36-7998	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-37-0071	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-36-2532	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-26-4426	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-26-3310	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-26-2169	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-26-2009	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-15-3612	Jesse H. Taylor and Dewey T. Taylor	3860 Stony Mill Rd., Danville, VA 24541
1378-15-1061	Jesse H. Taylor and Dewey T. Taylor	3860 Stony Mill Rd., Danville, VA 24541
1378-14-3208	Mary Hardy Betterton	4252 Stony Mill Rd., Danville, VA 24541
1378-04-7195	Mary Hardy Betterton	4252 Stony Mill Rd., Danville, VA 24541
1378-04-7195	Mary Hardy Betterton	4252 Stony Mill Rd., Danville, VA 24541
1378-02-7852	EST Enterprises, LLC	3026 Breezewood Dr., Danville, VA 24541
1378-02-1967	Brandon A. Collins and Kari T. Collins	9581 Martinsville Hwy., Danville, VA 24541
1368-92-9576	David R. Mehalko	528 Hyler Farm Ln., Danville, VA 24541
1378-00-9704, 1368-81-1016, 1367-00-7010	EST Enterprises, LLC	3026 Breezewood Dr., Danville, VA 24541
1368-80-0248	Jeffrey Carr Whitley and Tonia Pillow Whitley	380 Gemstone St., Danville, VA 24541
1367-69-8712	June T. Soyars	365 W. Withers Rd., Danville, VA 24541
1367-68-5019	Bryant Properties & Holdings, LLC	13297 Mount Cross Rd., Dry Fork, VA 24549
1367-77-2500	Marcus Alan Johnson and Olivia Johnson	1860 Horseshoe Rd., Danville, VA 24541
1367-48-6058	Belwood L. Hyler	4921 Horseshoe Rd., Danville, VA 24541
1367-65-4960	Jerry Robertson Davis	2560 Horseshoe Rd., Danville, VA 24541
1367-45-6386	Dennis Scott Harris and Robin A. Harris	2660 Horseshoe Rd., Danville, VA 24541
1367-45-5455	Dennis Scott Harris and Robin A. Harris	2660 Horseshoe Rd., Danville, VA 24541
1367-45-2671	Jo Ann Parrish Atkinson	7441 Dry Fork Rd., Dry Fork, VA 24549
1367-34-4497	Issac C. Hill and Brandy A. Hill	2655 Horseshoe Rd., Danville, VA 24541



Parcel Number	Owner Name	Owner Address
1367-41-6185	Danville-Pittsylvania Regional Industrial Facility Authority	P.O. Box 3300, Danville, VA 24543
1367-41-6185	Danville-Pittsylvania Regional Industrial Facility Authority	P.O. Box 3300, Danville, VA 24543
1367-41-6185	Danville-Pittsylvania Regional Industrial Facility Authority	P.O. Box 3300, Danville, VA 24543
1367-41-6185	Danville-Pittsylvania Regional Industrial Facility Authority	P.O. Box 3300, Danville, VA 24543
1356-75-0037	Danville-Pittsylvania Regional Industrial Facility Authority	P.O. Box 3300, Danville, VA 24543
1356-31-0719	Melissa Sims Hairston	14 Red Fox Rd., Saint Paul, MN 55127
1356-31-0719	Melissa Sims Hairston	14 Red Fox Rd., Saint Paul, MN 55127
2423-08-4677	Jackie Ray Atkinson, Jr.	11541 US Highway 29, Chatham, VA 24531
2436-73-3459	Transcontinental Gas Pipeline Company, LLC	P. O. Box 2400 MD 46-4, Tulsa, OK 74102
2436-72-5208	Transcontinental Gas Pipeline Company, LLC	P. O. Box 2400 MD 46-4, Tulsa, OK 74102
2424-14-3176	Malcolm Dale Roach, Jr.	600 Bearskin Substation Rd., Chatham, VA 24531
2413-38-1912	Pittsylvania County, VA	P.O. Box 426, Chatham, VA 24531
1480-94-1353	Beverly S. White and William S. White	5717 Whitmell School Rd., Dry Fork, VA 24549
1389-12-0973	Albert L. Keatts and Ocie Adams Keatts	1268 Millsville Ln., Danville, VA 24540
1389-12-7401	Albert L. Keatts and Ocie Adams Keatts	1268 Millsville Ln., Danville, VA 24540
2436-80-3032	Larry B. Kessler and Karen M. Kessler, Trustees	P.O. Box 295, Underwood, WA 98651
2436-82-8144	Thomas D. Newcomb, Jr.	1633 Dairy View Rd., Chatham, VA 24531
2436-60-3630	Mountain Valley Pipeline, LLC	625 Liberty Ave., #1700, Pittsburgh, PA 15222
1378-16-7258	Shirley B. Baggerly	3659 Stony Mill Rd., Danville, VA 24541
1378-04-4163	Carol Williamson Oakes	9580 Martinsville Hwy., Danville, VA 24541
1378-15-4835	Jesse H. Taylor and Dewey T. Taylor	3860 Stony Mill Rd., Danville, VA 24541
2436-64-3488	Mountain Valley Pipeline, LLC	625 Liberty Ave., #1700, Pittsburgh, PA 15222
2401-13-0696	James R. Harper	1688 Harper Rd., Dry Fork, VA 24549
1368-92-7344	Donnie W. Haymore	529 Hyler Farm Ln., Danville, VA 24541
2403-90-2639	Phillip D. Hylton and Brenda L. Hylton	461 Hylton Ln., Dry Fork, VA 24549
2403-90-0325	Phillip D. Hylton and Brenda L. Hylton	461 Hylton Ln., Dry Fork, VA 24549

**ATTACHMENT A-5 – VIRGINIA DEPARTMENT OF CONSERVATION
AND RECREATION AND DEPARTMENT OF WILDLIFE
RESOURCES CORRESPONDENCE**

Attachment A-5 - Summary of Virginia State Agency Correspondence
Individual Permit Application
MVP Southgate Amendment Project

Virginia Department of Conservation and Recreation					
Date	Region/Division/Office	Contact Name	Mode	Subject	Comments
7/12/2024	VDCR Natural Heritage Program	Project Review Coordinator	Online Request	Information Services Order Form	Form sent to VDCR to request a Project review with accompanying map displaying Natural Heritage Screening Coverage.
8/29/2024 8/8/2024	VDCR Natural Heritage Program	Nicki Gustafson	Email and Letter	Response to Information Services Order Form	Email dated 8/29 with letter attachment dated 8/8 with response to Natural Heritage Screening coverage and Biotics Data System search results. Letter was mistakenly routed to associated agency (VDWR).
8/8/2024	VDCR Natural Heritage Program	Rene Hypes	Email	Species Occurance Data Request for MVP Southgate Project	Federally-Listed Species Occurance Data Request
8/8/2024	VDCR Natural Heritage Program	Rene Hayes	Email	Species Occurance Data Request	State-Listed Species Occurance Data Request
8/8/2024	VDCR Natural Heritage Program	Rene Hayes	Email	Species Occurance Data Request	Request for potential dates and time to provide more information about the species request.
3/11/2025	VDCR Natural Heritage Program	Lori Ferry	Email	Notice of Application CP25-60	Agency notification that MVP submitted its Amendment Certificate Application to FERC
Virginia Department of Wildlife Resources					
Date	Region/Division/Office	Contact Name	Mode	Subject	Comments
2/13/2025	VDWR	Cory Chalmers	Email	Scoping Instructions	Wildlife Scoping Instruction and Resource Protection Recommendations
2/24/2025	VDWR	Cory Chalmers	Email	Scoping Instructions	Response to Wildlife Scoping Instruction and Resource Protection Recommendations request
3/11/2025	VDHR	Lori Ferry	Email	Notice of Application CP25-60	Agency notification that MVP submitted its Amendment Certificate Application to FERC

Virginia Department of Conservation and Recreation



Information Services Order Form

Updated 2024

Project Review Coordinator
Department of Conservation and Recreation
Natural Heritage Program
600 E. Main St., 24th Floor
Richmond, VA 23219
Voice: 804-371-2708, Fax: 804-371-2674
nhreview@dcr.virginia.gov

ENVIRONMENTAL REVIEW SERVICES:

- ☐ **Project Review** (30 calendar day turnaround). **\$90 per site**; add **\$35 for 1-5** natural heritage occurrences (rare plants, rare animals, significant communities and karst) and **\$60 for 6** or more occurrences.
Multi-quad project area **\$90 per quad**. Projects in **karst topography** (additional project review fee of **\$35 per site**).
- ☒ **Project Review with Accompanying Map...\$250 per site**; for projects with potential impact to Natural Heritage Resources including alternative energy projects, written comments with 8.5 X 11 map displaying Natural Heritage Screening Coverage.
- ☐ **Project Review with Accompanying Karst Map...\$250 per site**; for projects with potential impact to karst, written comments with 8.5 X 11 map displaying karst features.
- ☐ **Project Review with Accompanying ArcGIS Shapefile...\$500** - 1 to 5 1:24,000 quadrangles (intersecting the project area), **\$1000** 6-12 quadrangles (intersecting the project area), **\$1500** 13-100 quadrangles (intersecting the project area)...one-time release of spatial natural heritage screening coverage (Conservation Sites, Stream Conservation Units and General Location Records) data as identified in the project review letter...data is valid for 6 months and requires a signed license agreement
- ☐ **Priority Service** (15 calendar day turnaround)...**\$300 surcharge**
- ☐ **Priority Service** (5 business day turnaround)...**\$500 surcharge**

Details: Describe project in the space below, please include detailed project description, **any proposed tree removal**, project location information including **latitude, longitude**, acreage, and existing site conditions (photographs if available). Attach additional information as necessary. In order to ensure an accurate assessment, please attach an **electronic copy of a site map** (preferably from a USGS topo map with identified project boundaries) and all other information to the information services order form. **Incomplete submittal of information will delay the review process.**

* **Project Number & Title:** 171151 MVP Southgate

* **Instream work associated with the project:** Yes ▼

* Major Ground Disturbing Activities / Project Types

Tree removal with heavy machinery
Excavation/Trenching/Topsoil Stripping/Clearing/Grubbing
Directional drill entry/exit pits/bore pits
Pipeline construction/repair

Other:

* Minor Ground Disturbing Activities / Project Types

N/A

Other:

*** Project Description:** (Maximum Characters: 1000)

Installation of approximately 26.82 miles of new 24-inch diameter pipeline, temporary construction workspace, access roads, and associated above ground infrastructure.

Natural Heritage Resource Reports & Distribution Maps

☐ Custom NHR Maps (describe, call for more information).....**\$80/hour**

☐ Custom Karst Maps (describe, call for more information).....**\$80/hour**

☐ Custom NHR Reports (describe, call for more information).....**\$60/hour**

☐ Custom Karst Reports (describe, call for more information).....**\$60/hour**

Karst-related services can be contracted through DCR-DNH. These services include:

- Biological inventory and habitat assessment of caves
- Mapping of surface karst features
- Surveying and creation of maps for cave
- Hydrological investigations
 - Dye tracing
 - Hydrological monitoring
- Mitigation recommendations

Field services for karst work are \$800 per day for subterranean investigation and \$500 for surface, including travel and fringe. Office services are at hourly rate (\$50). Analytical fees and subcontractor services (dye tracing analysis, taxonomic determinations) are additional and will vary depending on the project. Individual contracts will specify terms on a case specific basis. Please contact the DCR Karst Program (Wil.Orndorff@dcr.virginia.gov) for scope of work and costs.

SUBSCRIPTION SERVICES:

Natural Heritage Data Explorer Subscription Service:

☐ Tier I (unlimited access per subscription year, [a digital license agreement is required](#) (PDF)).....**\$1000/yr.**

☐ Tier II (unlimited access per subscription year, [a digital license agreement is required](#) (PDF)).....**\$2000/yr.**

☐ Tier II Plus (unlimited access per subscription year, [a digital license agreement is required \(PDF\)](#)).....\$3000/yr.

Digital Conservation Sites Subscription Service (specify area of interest; [a digital license agreement is required \(PDF\)](#))

☐ 1 county or 12 quads or less.....\$1000/yr.

☐ 13-100 quads.....\$3500/yr.

☐ Statewide coverage.....\$6000/yr.

Please provide details in the space below: (failure to provide information will delay subscription processing; Maximum characters: 700)

Predicted Suitable Habitat (PSH) layers and Predicted Suitable Habitat Summary (PSHS) subscription services (license agreement required).

Area	PSH ¹	PSHS ²	DDS ³	Bundle ⁴
1 County or up to 12 quads	n/a	\$1,000	\$1,000	\$1,500
13-100 quads	n/a	\$3,500	\$3,500	\$5,250
State	\$500/ea.	\$6,000	\$6,000	\$9,000

1 A Predicted Suitable Habitat (PSH) is a spatial layer where the area representing predicted suitable habitat for a species is mapped.

2 A Predicted Suitable Habitat Summary(PSHS) is a raster dataset that combines rare, threatened and endangered species PSH layers. Any single cell can be considered predicted suitable habitat for multiple species and a list of species is made available for each raster cell.

3 A Digital Data Subscription for natural heritage resources data.

4 DDS and PSHS subscriptions can be bundled and subscribed to for 75% of the combined cost of subscribing to each individually.

For additional subscription information about the predicted suitable habitat models and summary, please visit

<https://www.dcr.virginia.gov/natural-heritage/sdm> or contact Joe.Weber@dcr.virginia.gov

Conditions:

1. Digitized DCR natural heritage resource locational data for GIS or map production, whether provided by DCR digitally or entered by the client from tables or reports, may not be used without first completing a data licensing agreement with DCR Division of Natural Heritage. A license form is available on request.
2. Although DCR-DNH data are closely quality controlled, DCR-DNH makes no warranty as to the fitness of the data for any purpose.
3. Any publication of data provided by DCR, whether as text, table or map, must acknowledge Virginia DCR-Natural Heritage Program, and include the date the data were provided by DCR.
4. If fees are assessed, an invoice will be included with the response. **Please do not pre-pay.** Payment is due within 30 days of receipt. **Minimum charge for hourly fees is \$40.**

*** I understand and agree to the above conditions:** ☒ **Yes (Required for Fee Services)**

DCR maintains lists of natural heritage resources monitored by the Natural Heritage Program. These lists provide information on taxonomy, rarity and federal/state legal statuses. These reports are not site specific and are **NOT** to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

Due to staff and budget constraints we ask that you use the online service whenever possible to download these lists of natural heritage resources:

Hyperlink to on-line reports

The Natural Communities of Virginia, 3rd Approximation

- ☐ Natural Heritage Resources of Virginia: Rare Animals (PDF)
- ☐ Natural Heritage Resources of Virginia: Rare Plants (PDF)

County lists of natural heritage resources can be generated using the Internet Database Search Tool or requested below:

Send data and invoice (if applicable) to: (Any fields with * are required fields. We will contact you if we have any questions regarding your data needs)

* Title:

* Name:

Patrick Meier

* Company:

Burns & McDonnell

* Address:

4480 Cox Road, Suite 300

* City:

Glen Allen

* State:

VA

* Zip:

23060

* Phone:

804

-

223

-

1470

Fax:

-

-

* Taxpayer ID :

30-430956142F-001

* Email:

pkmeier@burnsmcd.com

* Type the Email Again:

pkmeier@burnsmcd.com

Uploaded files:

240524_Environmental_Corridor.kmz

Enter Date: July 12, 2024 04:04:30 PM
Online ID: 24071216043079

Markowitz, Evan J

From: nhreview@dcr.virginia.gov
Sent: Friday, July 12, 2024 3:05 PM
To: Meier, Patrick K
Subject: 171151 MVP Southgate

Thank you for submitting your request. Upon review of this project, DCR-Natural Heritage will provide comments via email within 30 calendar days. Project reference ID is **24071216043079**.

Application: www.dcr.virginia.gov/natural-heritage/nhserviceform/?id=2024-07-12-16-04-30-791812-8yr

Re: 171151 MVP Southgate

nhreview (DCR) <nhreview@dcr.virginia.gov>

Thu 8/29/2024 9:41 AM

To: Meier, Patrick K <pkmeier@burnsmcd.com>

Cc: Kopajtic, Joseph A (Joe) <jakopajtic@burnsmcd.com>

Mr. Meier,

Thank you for reaching out about this project. It appears there was an error in sending these comments. I have found where they were sent to the DWR, as they were Cc'd on our comments, on August 9. It should have been sent to you at the same time, however it appears they were not. I have forwarded you that email with our comments attached.

I apologize for the delay and any inconvenience this has caused. Please reach out again if you do not see the email with our comments.

Thank you,

Nicki Gustafson (*she/her*)

Project Review Assistant

Division of Natural Heritage

Virginia Department of Conservation and Recreation

600 E. Main Street, 24th Floor

Richmond, VA 23219

804-625-3979 | nicki.gustafson@dcr.virginia.gov



From: Meier, Patrick K <pkmeier@burnsmcd.com>

Sent: Wednesday, August 28, 2024 9:46 PM

To: nhreview (DCR) <nhreview@dcr.virginia.gov>

Cc: Kopajtic, Joseph A (Joe) <jakopajtic@burnsmcd.com>

Subject: Re: 171151 MVP Southgate

Good Evening-

I am following up on the Project Review referenced in the email below. The review period of 30 days was surpassed on August 12, 2024. It is currently August 28, 2024 and we have not received any notification regarding status of our project review.

Is someone within your organization able to provide an update on this?

Thank-you,
Patrick

Patrick K. Meier, PWS

Senior Wetlands Scientist

Environmental Services | Mid-Atlantic Region

O 804-223-1470 \ M 804-386-7318

From: nhreview@dcr.virginia.gov <nhreview@dcr.virginia.gov>

Sent: Friday, July 12, 2024 4:04 PM

To: Meier, Patrick K <pkmeier@burnsmcd.com>

Subject: 171151 MVP Southgate

Thank you for submitting your request. Upon review of this project, DCR-Natural Heritage will provide comments via email within 30 calendar days. Project reference ID is **24071216043079**.


Application: www.dcr.virginia.gov/natural-heritage/nhserviceform/?id=2024-07-12-16-04-30-791812-8yr

Fw: 171151, MVP Southgate

nhreview (DCR) <nhreview@dcr.virginia.gov>

Thu 8/29/2024 9:33 AM

To: Meier, Patrick K <pkmeier@burnsmcd.com>

 2 attachments (578 KB)

32500069, 90830, BM 171151, MVP Southgate Invoice.pdf; 90830, BM 171151, MVP Southgate.pdf;

Mr. Meier:

I am forwarding you our comments for the above referenced project. We Cc'd our comments to VDWR due to the presence of a listed species, it looks like the email only went to the Cc'd agency. I apologize for the delay and any inconvenience it has caused.

In the email below you will find information about the comments and the invoice.

Thank you,

Nicki Gustafson (*she/her*)

Project Review Assistant

Division of Natural Heritage

Virginia Department of Conservation and Recreation

600 E. Main Street, 24th Floor

Richmond, VA 23219

804-625-3979 | nicki.gustafson@dcr.virginia.gov



From: nhreview (DCR) <nhreview@dcr.virginia.gov>

Sent: Friday, August 9, 2024 12:26 PM

Cc: ProjectReview (DWR) <ProjectReview@dwr.virginia.gov>

Subject: 171151, MVP Southgate

Mr. Meier:

Please find attached the DCR-DNH comments and invoice for the above referenced project. The comments are in pdf format and can be printed for your records. Also species rank information is available at <http://www.dcr.virginia.gov/natural-heritage/help> for your reference.

Along with our comments there is an invoice for our services. Please submit a copy of the invoice with payment to the Treasurer of Virginia, Department of Conservation and Recreation, Finance, [600 East Main Street](#), 24th Floor Richmond, VA 23219. Payment is due within 30 days of the invoice date. Late payment may result in

the suspension of project review service for future projects. **To pay the invoice by credit card, please click [here](http://www.dcr.virginia.gov/payment-verification) for the DCR credit card payment portal weblink or copy <http://www.dcr.virginia.gov/payment-verification> into your browser. It will take approximately 24 hours for the invoice to be available for payment in the online system.**

Please send a confirmation e-mail upon receipt of our comments. Thank you for the opportunity to provide this information.

Nicki Gustafson (*she/her*)
Project Review Assistant
Division of Natural Heritage
Virginia Department of Conservation and Recreation
600 E. Main Street, 24th Floor
Richmond, VA 23219
804-625-3979 | nicki.gustafson@dcr.virginia.gov



Travis A. Voyles
Secretary of Natural and Historic Resources

Matthew S. Wells
Director

Andrew W. Smith
Chief Deputy Director



COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

Frank N. Stovall
Deputy Director
for Operations

Darryl Glover
Deputy Director for
Dam Safety,
Floodplain Management and
Soil and Water Conservation

Laura Ellis
Deputy Director for
Administration and Finance

August 8, 2024

Patrick Meier
Burns & McDonnell
4480 Cox Road, Suite 300
Glen Allen, VA 23060

Re: 171151, MVP Southgate

Dear Mr. Meier:

The Department of Conservation and Recreation's Division of Natural Heritage (DCR) has searched its Biotics Data System for occurrences of natural heritage resources from the area outlined on the submitted map. Natural heritage resources are defined as the habitat of rare, threatened, or endangered plant and animal species, unique or exemplary natural communities, and significant geologic formations.

According to the information in our files, the Transco Road Net and MVP Southgate Net VA-SB01CA Conservation Sites are located within the project area. Conservation sites are tools for representing key areas of the landscape that warrant further review for possible conservation action because of the natural heritage resources and habitat they support. Conservation sites are polygons built around one or more rare plant, animal, or natural community designed to include the element and, where possible, its associated habitat, and buffer or other adjacent land thought necessary for the element's conservation. Conservation sites are given a biodiversity significance ranking (B-rank) based on the rarity, quality, and number of element occurrences they contain; on a scale of 1-5, 1 being most significant. Both the Transco Road Net and MVP Southgate Net VA-SB01CA Conservation Sites have been assigned a B-rank of B4, which represents a site of moderate significance. The natural heritage resource associated with these sites are:

<i>Perimyotis subflavus</i>	Tricolored bat (=Eastern pipistrelle)	G3G4/S1S3/PE/LE
-----------------------------	---------------------------------------	-----------------

Tricolored bat is a very small bat distinguished from other *Myotis* species by tricolored individual back hairs and inhabits open woods near water, rock cliffs, buildings and caves in the summer. Since 2008, there has been a significant decline in population numbers (greater than 90%) for the Tricolored bat due to white nose syndrome. This species was listed as endangered on April 1, 2016, by the Virginia Department of Wildlife Resources (VDWR).

When working in these conservation sites DCR recommends adhering to time-of-year-restrictions (TOYR) for tree removal for the protection of tri-colored bats. Due to the legal status of the tri-colored bat, DCR recommends coordination with the VDWR, Virginia's regulatory authority for the management and protection of these species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).

DCR concurs with the methodology for the Rare Plants Along the Mountain Valley Pipeline (MVP) Southgate Project in Virginia Report dated October 16, 2019 and the Freshwater Mussel (Unionidae) Surveys Along The Proposed MVP Southgate Project in Virginia Report dated May 16, 2019 and has no further comments for these resources.

If a conventional bore or horizontal directional drill crossing of the Sandy River, Banister River, or other streams, DCR recommends an emergency frac-out plan be developed for the project. DCR also recommends the development and implementation of an emergency spill plan and the utilization of industry best management practices for hydrostatic testing and dewatering of the proposed force main.

Additionally, If tree removal outside of the existing right-of-way (ROW) is anticipated, the proposed project will impact multiple Ecological Cores (**C4 and C5**) as identified in the Virginia Natural Landscape Assessment (<https://www.dcr.virginia.gov/natural-heritage/vaconvisvnl>). Mapped cores in the project area can be viewed via the Virginia Natural Heritage Data Explorer, available here: <http://vanhde.org/content/map>.

Ecological Cores are areas of at least 100 acres of continuous interior, natural cover that provide habitat for a wide range of species, from interior-dependent forest species to habitat generalists, as well as species that utilize marsh, dune, and beach habitats. Interior core areas begin 100 meters inside core edges and continue to the deepest parts of cores. Cores also provide the natural, economic, and quality of life benefits of open space, recreation, thermal moderation, water quality (including drinking water recharge and protection, and erosion prevention), and air quality (including sequestration of carbon, absorption of gaseous pollutants, and production of oxygen). Cores are ranked from C1 to C5 (C5 being the least significant) using nine prioritization criteria, including the habitats of natural heritage resources they contain.

Impacts to cores occur when their natural cover is partially or completely converted permanently to developed land uses. Habitat conversion to development causes reductions in ecosystem processes, native biodiversity, and habitat quality due to habitat loss; less viable plant and animal populations; increased predation; and increased introduction and establishment of invasive species.

DCR recommends avoidance of impacts to cores. When avoidance cannot be achieved, DCR recommends minimizing the area of impacts overall and concentrating the impacted area at the edges of cores, so that the most interior remains intact.

Furthermore, DCR recommends the development and implementation of an invasive species plan to be included as part of the maintenance practices for the right-of-way (ROW). The invasive species plan should include an invasive species inventory for the project area based on the current DCR Invasive Species List (<http://www.dcr.virginia.gov/natural-heritage/document/nh-invasive-plant-list-2014.pdf>) and methods for treating the invasives. DCR also recommends the ROW restoration and maintenance practices planned include appropriate revegetation using native species in a mix of grasses and forbs, robust monitoring, and an adaptive management plan to provide guidance if initial revegetation efforts are unsuccessful or if invasive species outbreaks occur.

Under a Memorandum of Agreement established between the Virginia Department of Agriculture and Consumer Services (VDACS) and the DCR, DCR represents VDACS in comments regarding potential impacts on state-listed threatened and endangered plant and insect species. The current activity will not affect any documented state-listed plants or insects.

There are no State Natural Area Preserves under DCR's jurisdiction in the project vicinity.

New and updated information is continually added to Biotics. Please re-submit a completed order form and project map for an update on this natural heritage information if the scope of the project changes and/or six months has passed before it is utilized.

A fee of \$250.00 has been assessed for the service of providing this information. Please find attached an invoice for that amount. Please return one copy of the invoice along with your remittance made payable to the Treasurer of Virginia, DCR Finance, 600 East Main Street, 24th Floor, Richmond, VA 23219. Payment is due within thirty days of the invoice date. Please note late payment may result in the suspension of project review service for future projects.

The Virginia Department of Wildlife Resources (VDWR) maintains a database of wildlife locations, including threatened and endangered species, trout streams, and anadromous fish waters that may contain information not documented in this letter. Their database may be accessed <https://services.dwr.virginia.gov/fwis/> or contact Hannah Schul at Hannah.Schul@dwr.virginia.gov.

Should you have any questions or concerns, feel free to contact me at 804-625-3979. Thank you for the opportunity to comment on this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Nicki Gustafson". The signature is fluid and cursive, with the first name "Nicki" and last name "Gustafson" clearly distinguishable.

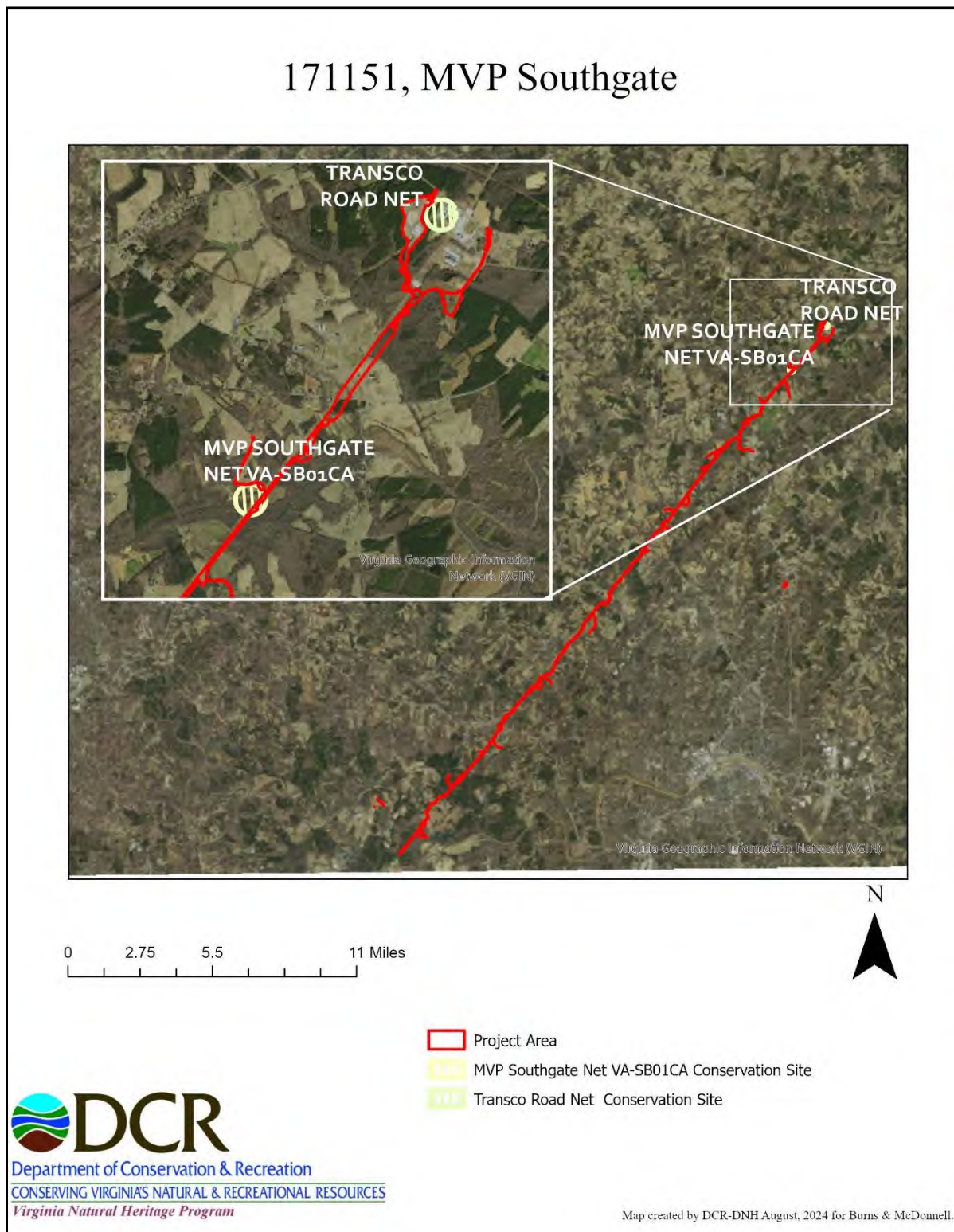
Nicki Gustafson
Natural Heritage Project Review Assistant

Cc: Hannah Schul, VDWR

Literature Cited

NatureServe, 2015. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe. Arlington, Virginia. Available <http://explorer.natureserve.org> (Accessed: April 21, 2016).

Figure 1. Map of Natural Heritage Resources with the project area.




MVP Southgate Project-VA Listed Species Information (federal)

From Ferry, Lori M <lmferry@burnsmcd.com>

Date Thu 2024-08-08 12:07 PM

To Rene.hypes@dcr.virginia.gov <Rene.hypes@dcr.virginia.gov>

Cc Markowitz, Evan J <ejmarkowitz@burnsmcd.com>; Heller Leib, Abigail (Abby) <ahellerleib@burnsmcd.com>; Tessier, John <John.Tessier@nee.com>; james.sabol@eqt.com <james.sabol@eqt.com>; Martin, Kyle <Kyle.Martin@nexteraenergy.com>; Douglas Sipe <dsipe@mdmcorp.com>

 1 attachment (3 MB)

2024-08-08_MVP Southgate_VDCR-Agency Consult_Federal.pdf;

Ms. Hypes,

On behalf of Mountain Valley Pipeline, LLC and the MVP Southgate Project, Burns & McDonnell is submitting the attached correspondence regarding a request for federally listed species information within the Project area.

The Project is under the jurisdiction of the Federal Energy Regulatory Commission. Please see the attached letter for further information regarding the Project. We will be reaching out to you in the coming weeks to request a meeting with your office to discuss the updated project.

Please don't hesitate to reach out to us if you have any questions in the interim!

Thanks!

Lori Ferry

Department Manager \ Natural & Cultural Resources

o 331-218-3688 \ m 630-605-5255

lmferry@burnsmcd.com \ burnsmcd.com

1431 Opus Place Suite 400 \ Downers Grove, IL 60515



August 8, 2024

Ms. Rene Hypes
Environmental Review Coordinator
Virginia Department of Conservation and Recreation
Virginia Natural Heritage Program
600 East Main Street
Richmond, VA 23219

Re: Species Occurrence Data Request
MVP Southgate Project

Dear Ms. Hypes:

For purposes of a forthcoming reinitiated Endangered Species Act (“ESA”) Section 7 consultation on the MVP Southgate Project (“Project”), on behalf of Mountain Valley Pipeline, LLC (“Mountain Valley”), Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) requests all modern¹ occurrence data for federally-listed species in relevant proximity to the Project. To assist with processing this request, the current Project overview map is attached to this letter (Attachment 1), and a shapefile of the Project is enclosed. Mountain Valley anticipates submitting its updated species analyses to FERC in the 4th Quarter of 2024 and, therefore, respectfully requests that the Virginia Department of Conservation and Recreation (VDCR) provide the data described below as soon as possible.

The online U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) was used to identify federally protected species potentially occurring in proximity to the Project Area. An official species list was received on August 6, 2024 (Project Code: 2024-0126253, Attachment 2). The official species list fulfills the requirement for federal agencies to “request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action.” The official list identified six species that may occur within the Project Area (Table 1).

Table 1: Federally Protected Species Known or Likely to Occur in Pittsylvania County, Virginia

Common Name	Scientific Name	Federal Status ^(a)
Mammals		
Northern Long-eared Bat	<i>Myotis septentrionalis</i>	FE
Tricolored bat	<i>Perimyotis subflavus</i>	FPE**
Fishes		

¹ For purposes of this request, “modern” occurrence data include all documented species occurrences in the areas identified below within the past 20 years (i.e., since January 1, 2004).

Ms. Rene Hypes
Virginia Natural Heritage Program
August 8, 2024
Page 2

Common Name	Scientific Name	Federal Status ^(a)
Roanoke Logperch	<i>Percina rex</i>	FE
Clams		
Atlantic Pigtoe	<i>Fusconaia masoni</i>	FT
Green Floater	<i>Lasmigona subviridis</i>	FPT**
Insects		
Monarch butterfly	<i>Danaus plexippus</i>	FC**

^(a) FC: Federal Candidate Species for Listing; FE: Federally Endangered; FPE: Federally Proposed Endangered; FPT: Federally Proposed Threatened; FT: Federally Threatened.

** Candidate and proposed species are not afforded protections under the ESA but may trigger Section 7(a)(4) conferencing requirements.

In preparation for developing updated species analyses for the Project in conjunction with the USFWS, Mountain Valley requests that the VDCR provide occurrence data for each of the federal species identified in Table 1. To assist VDCR in identifying occurrence data responsive to this request, the proposed Action Areas for purposes of these analyses are listed in Table 2 below. Accordingly, Mountain Valley requests occurrence data for each of the species within those proposed Action Areas. Included with this request is a shapefile of the Project alignment as well as the proposed Action Areas.

Table 2: Proposed Action Areas

Species Classifications	Proposed Action Area
Terrestrial species	2 miles
Aquatic species	3 miles
Bat species	7 miles

Please note that this letter specifically addresses Action Areas for potential federally-listed species. A separate letter requesting occurrence data related to Virginia state-listed species within the Project footprint will also be provided.

We look forward to working with you on this request. The Project team will be reaching out to you separately in the next few weeks to discuss other aspects of the Project.

If you have any questions regarding this request or the information provided with this letter, please do not hesitate to contact me, Lori Ferry, at 630-605-5255 or via email at lmferry@burnsmcd.com.



Ms. Rene Hypes
Virginia Natural Heritage Program
August 8, 2024
Page 3

Sincerely,

A handwritten signature in black ink, appearing to read "Lori Ferry".

Lori Ferry
Burns & McDonnell Engineering Company, Inc.

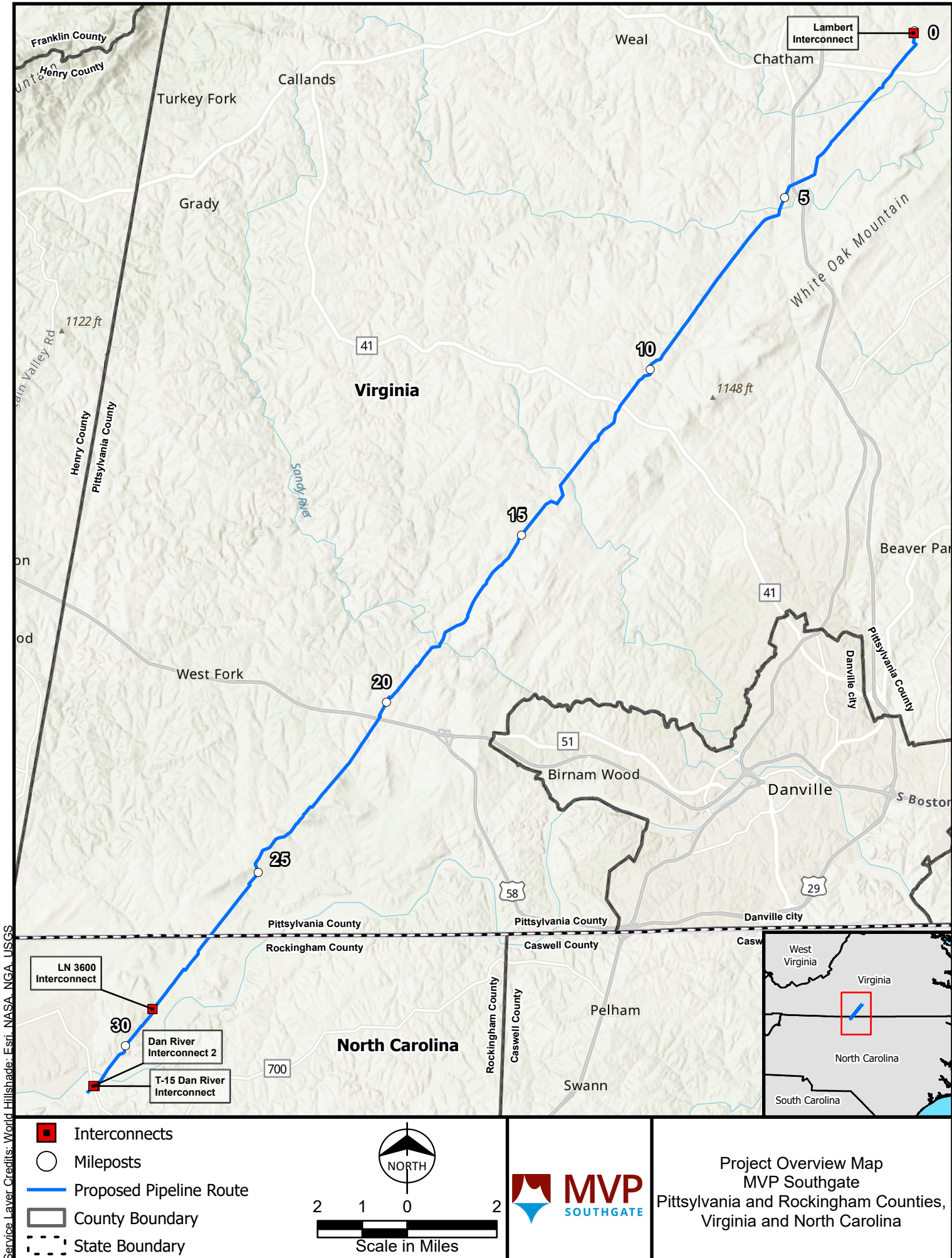
Attachments

Attachment 1: Project Overview Map
Attachment 2: IPaC Project Review

cc: John Tessier
MVP Southgate Permitting Lead

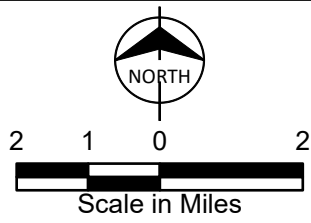
ATTACHMENT 1

PROJECT OVERVIEW MAP



Service Layer Credits: World, Hillshade: Esri, NASA, NGA, USGS

- Interconnects
- Mileposts
- Proposed Pipeline Route
- County Boundary
- State Boundary



Project Overview Map
MVP Southgate
Pittsylvania and Rockingham Counties,
Virginia and North Carolina

ATTACHMENT 2

IPAC PROJECT REVIEW



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Virginia Ecological Services Field Office

6669 Short Lane

Gloucester, VA 23061-4410

Phone: (804) 693-6694



In Reply Refer To:

08/06/2024 12:28:59 UTC

Project Code: 2024-0126253

Project Name: MVP Southgate Virginia

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*). Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Project Code in the header of this

letter with any request for consultation or correspondence about your project that you submit to our office.

Note: IPaC has provided all available attachments because this project is in multiple field office jurisdictions.

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds
- Wetlands

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Virginia Ecological Services Field Office

6669 Short Lane

Gloucester, VA 23061-4410

(804) 693-6694

This project's location is within the jurisdiction of multiple offices. However, only one species list document will be provided for all offices. The species and critical habitats in this document reflect the aggregation of those that fall in each of the affiliated office's jurisdiction. Other offices affiliated with the project:

Raleigh Ecological Services Field Office

3916 Sunset Ridge Rd

Raleigh, NC 27607

(919) 856-4520

PROJECT SUMMARY

Project Code: 2024-0126253
Project Name: MVP Southgate Virginia
Project Type: Pipeline - Onshore - New Constr - Below Ground
Project Description: Pipeline
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@36.6903584,-79.3682005307214,14z>



Counties: Pittsylvania County, Virginia

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

FISHES

NAME	STATUS
Roanoke Logperch <i>Percina rex</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1134	Endangered

CLAMS

NAME	STATUS
Atlantic Pigtoe <i>Fusconaia masoni</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5164	Threatened
Green Floater <i>Lasmigona subviridis</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7541	Proposed Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

-
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
 2. The [Migratory Birds Treaty Act](#) of 1918.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper

Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

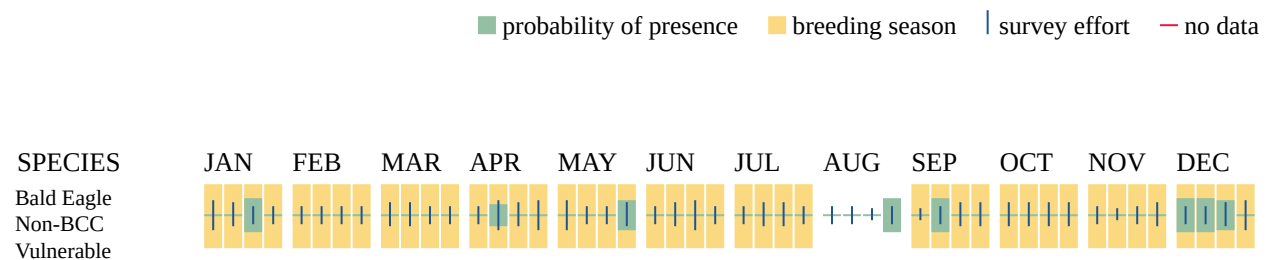
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Jul 31
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25
Chuck-will's-widow <i>Antrostomus carolinensis</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9604	Breeds May 10 to Jul 10
Eastern Whip-poor-will <i>Antrostomus vociferus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/10678	Breeds May 1 to Aug 20
Grasshopper Sparrow <i>Ammodramus savannarum perpallidus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8329	Breeds Jun 1 to Aug 20
Kentucky Warbler <i>Geothlypis formosa</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9443	Breeds Apr 20 to Aug 20

NAME	BREEDING SEASON
Prairie Warbler <i>Setophaga discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9513	Breeds May 1 to Jul 31
Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9439	Breeds Apr 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9398	Breeds May 10 to Sep 10
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9478	Breeds elsewhere
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9431	Breeds May 10 to Aug 31

PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

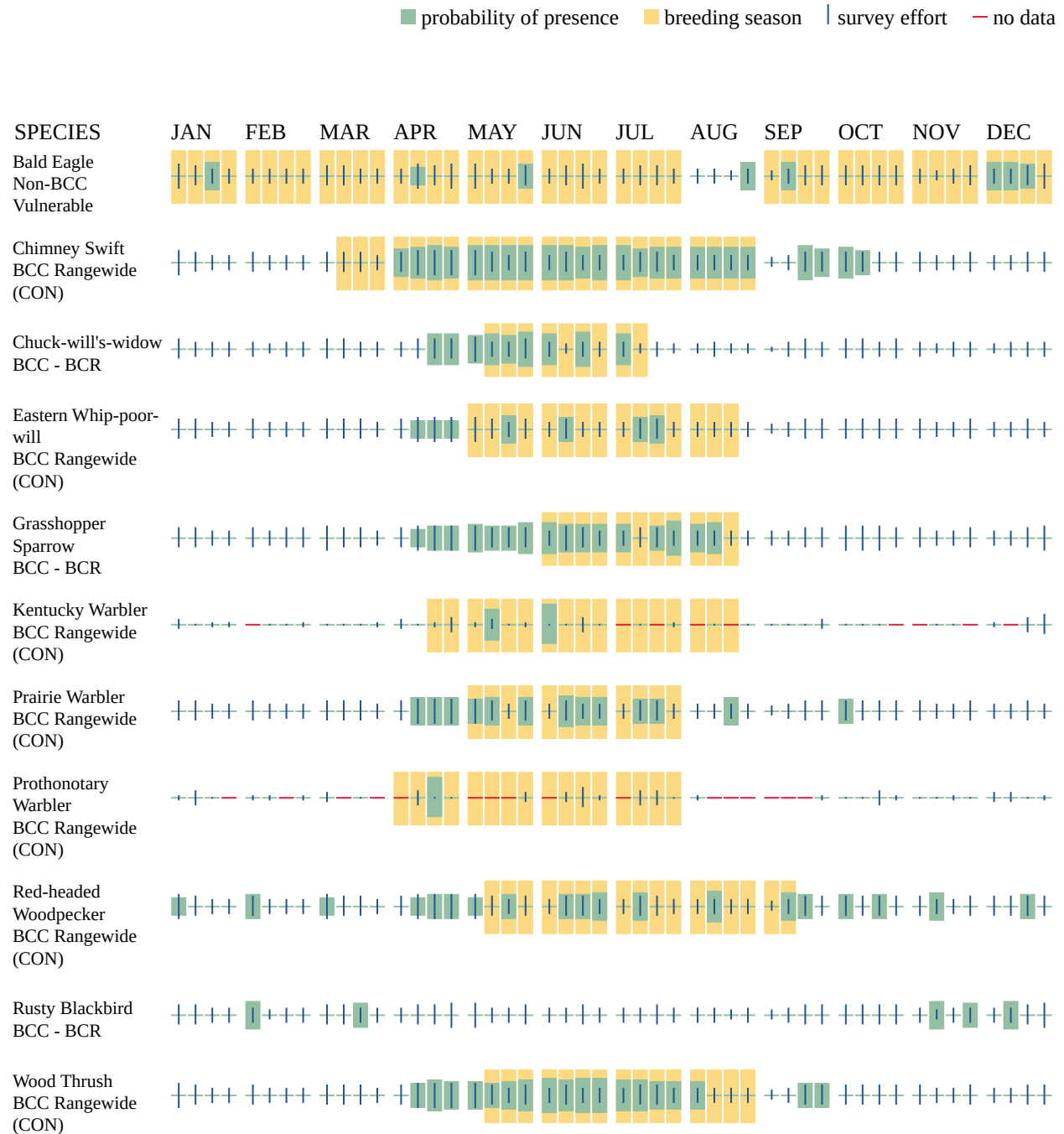
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

FRESHWATER FORESTED/SHRUB WETLAND

- PSS1C
- PFO1C
- PFO1A

FRESHWATER EMERGENT WETLAND

- PEM1A

RIVERINE

- R2UBHx
- R4SBC
- R5UBH
- R2UBH
- R3UBH

IPAC USER CONTACT INFORMATION

Agency: Burns & McDonnell
Name: Grace Pollard
Address: 200 W Adams Street
Address Line 2: Suite 2700
City: Chicago
State: IL
Zip: 60606
Email: gepollard@burnsmcd.com
Phone: 7732554298

Markowitz, Evan J

From: Ferry, Lori M
Sent: Thursday, August 8, 2024 12:08 PM
To: Rene.hypes@dc.virginia.gov
Cc: Markowitz, Evan J; Heller Leib, Abigail (Abby); Douglas Sipe; Tessier, John; Martin, Kyle; james.sabol@eqt.com
Subject: MVP Southgate Project-VA Listed Species Information (state)
Attachments: 2024-08-08_MVP Southgate_VDCR-Agency Consult_State.pdf

Ms. Hypes,

On behalf of Mountain Valley Pipeline, LLC and the MVP Southgate Project, Burns & McDonnell is submitting the attached correspondence regarding a request for state listed species information within the Project area.

The Project is under the jurisdiction of the Federal Energy Regulatory Commission. Please see the attached letter for further information regarding the Project. We will be reaching out to you in the coming weeks to request a meeting with your office to discuss the updated project.

Please don't hesitate to reach out to us if you have any questions in the interim!

Thanks!

Lori Ferry

Department Manager \ Natural & Cultural Resources

o 331-218-3688 \ m 630-605-5255

lmferry@burnsmcd.com \ burnsmcd.com

1431 Opus Place Suite 400 \ Downers Grove, IL 60515



August 8, 2024

Ms. Rene Hypes
Environmental Review Coordinator
Virginia Department of Conservation and Recreation
Virginia Natural Heritage Program
600 East Main Street
Richmond, VA 23219

Re: Species Occurrence Data Request
MVP Southgate Project

Dear Ms. Hypes:

For purposes of state-listed species consultation in accordance with 4VAC15-20-130¹ on the MVP Southgate Project ("Project"), on behalf of Mountain Valley Pipeline, LLC ("Mountain Valley"), Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) requests all modern² occurrence data for state-listed species in relevant proximity to the Project. To assist with processing this request, the current Project overview map is attached to this letter (Attachment 1), and a shapefile of the Project is enclosed. Mountain Valley anticipates submitting its updated species analyses to FERC in the 4th Quarter of 2024 and, therefore, respectfully requests that the Virginia Department of Conservation and Recreation (VDCR) provide the data described below as soon as possible.

The VDCR Natural Heritage Inventory³ was used to identify state-listed threatened or endangered species by county. The Natural Heritage Inventory identified six species as potentially occurring within Pittsylvania County (Table 1). A copy of the Natural Heritage Inventory information is provided in Attachment 2. Mountain Valley is currently awaiting a more detailed Project Review from the VDCR to determine if all the species listed below have the potential to occur within the Project Area.

Table 1: State Protected Species Known or Likely to Occur in Pittsylvania County, Virginia

Common Name	Scientific Name	Virginia State Status ^(a)
Mammals		
Tricolored bat	<i>Perimyotis subflavus</i>	LE

¹ *Endangered and threatened species; adoption of federal list; additional species enumerated* (4VAC15-20-130); §§ 29.1-103, 29.1-501, and 29.1-502 of the Code of Virginia.

² For purposes of this request, "modern" occurrence data include all documented species occurrences in the areas identified below within the past 20 years (i.e., since January 1, 2004).

³ VDCR Natural Heritage Inventory Data Explorer. <https://www.dcr.virginia.gov/natural-heritage/nhdeinfo>. Accessed June 27, 2024.

Ms. Rene Hypes
Virginia Natural Heritage Program
August 8, 2024
Page 2

Common Name	Scientific Name	Virginia State Status ^(a)
Fishes		
Orangefin Madtom	<i>Noturus gilberti</i>	LT
Roanoke Logperch	<i>Percina rex</i>	LE
Snails		
Spirit Supercoil	<i>Paravitrea hera</i>	LE
Plants		
Virginia Quillwort	<i>Isoetes virginica</i>	LE
Small Whorled Pogonia ^(b)	<i>Isotria medeoloides</i>	LE

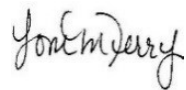
(a) LE: Listed Endangered; LT: Listed Threatened

(b) While small whorled pogonia (*Isotria medeoloides*) is federally-listed as threatened, the USFWS's IPaC database did not indicate this species in proximity to the Project.

In preparation for developing updated species analyses for the Project, Mountain Valley requests that the VDCR provide occurrence data for each of the state species identified in Table 1 within the Project footprint. Please note that this letter specifically addresses potential state listed species. A separate letter requesting occurrence data related to Virginia federally-listed species within identified action areas will also be provided.

We look forward to working with you on this request. The Project team will be reaching out to you separately in the next few weeks to discuss other aspects of the Project. If you have any questions regarding this request or the information provided with this letter, please do not hesitate to contact me, Lori Ferry, at 630-605-5255 or via email at lmferry@burnsmcd.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lori Ferry".

Lori Ferry
Burns & McDonnell Engineering Company, Inc.

Attachments

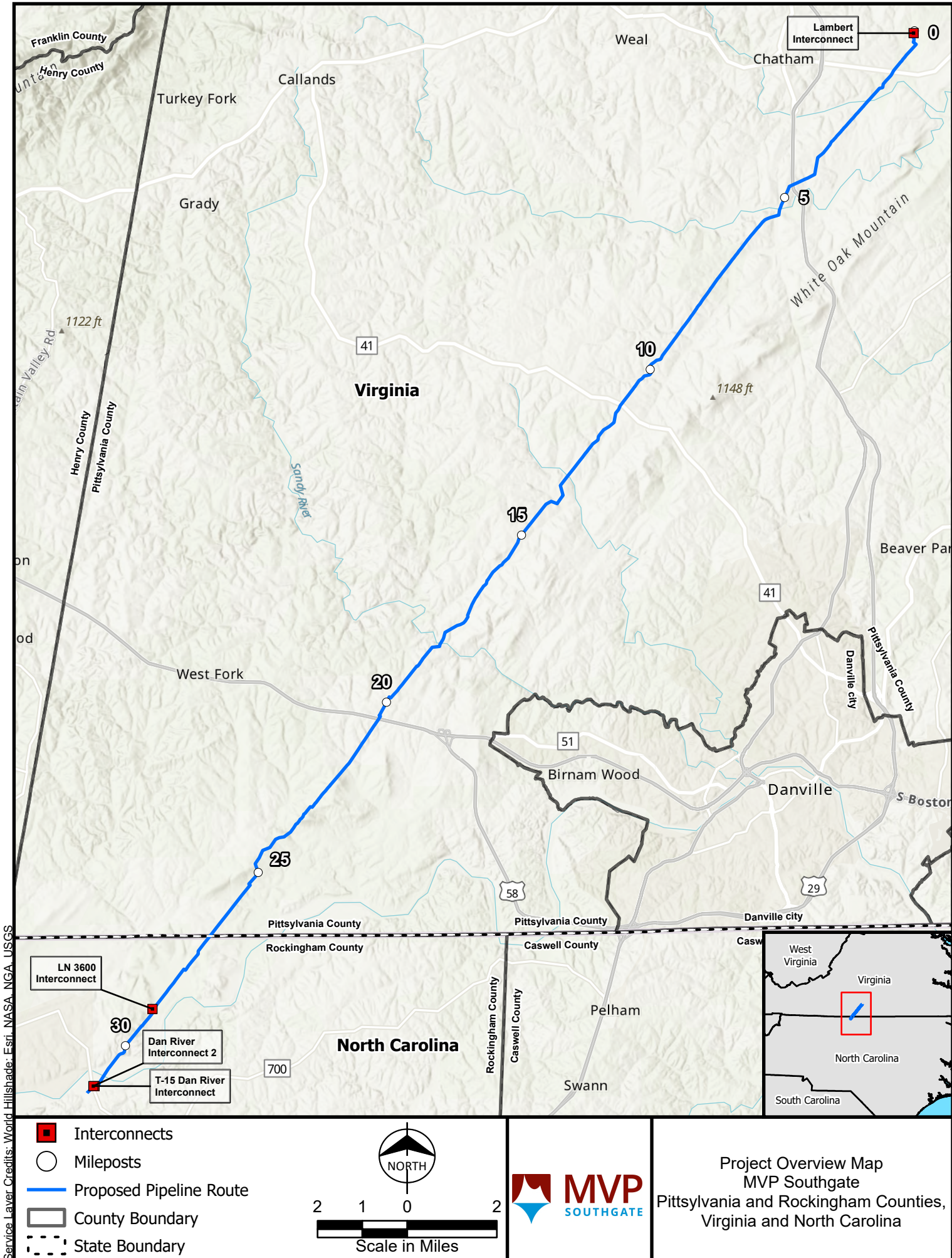
Attachment 1: Project Overview Map

Attachment 2: Virginia Natural Heritage Review

cc: John Tessier
MVP Southgate Permitting Lead

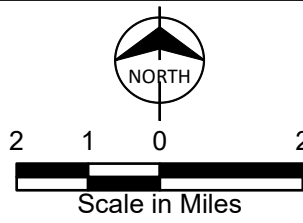
ATTACHMENT 1

PROJECT OVERVIEW MAP



Service Layer Credits: World, Hillshade: Esri, NASA, NGA, USGS

- Interconnects
- Mileposts
- Proposed Pipeline Route
- County Boundary
- State Boundary



Project Overview Map
MVP Southgate
Pittsylvania and Rockingham Counties,
Virginia and North Carolina

ATTACHMENT 2

VIRGINIA NATURAL HERITAGE INVENTORY REVIEW

Natural Heritage Resources

Your Criteria

Taxonomic Group: Select All

Federal Legal Status: Select All

State Legal Status: Select All

County: Pittsylvania

Search Run: 6/27/2024 15:10:53 PM

Result Summary

Total Species returned: 6

Total Communities returned: 0

Click scientific names below to go to NatureServe report.

Click column headings for an explanation of species and community ranks.

Common Name/Natural Community	Scientific Name	Scientific Name Linked	Global Conservation Status Rank	State Conservation Status Rank	Federal Legal Status	State Legal Status	Statewide Occurrences	Virginia Coastal Zone
Pittsylvania								
FISH								
Orangefin Madtom	Noturus gilberti	Noturus gilberti	G2	S2	SOC	LT	11	N
Roanoke Logperch	Percina rex	Percina rex	G1G2	S1S2	LE	LE	21	N
GASTROPODA (SNAILS)								
Spirit Supercoil	Paravitrea hera	Paravitrea hera	G1	S1	SOC	LE	3	N
MAMMALS								
Tricolored bat (=Eastern pipistrelle)	Perimyotis subflavus	Perimyotis subflavus	G3G4	S1S3	PE	LE	44	N
VASCULAR PLANTS								
Virginia Quillwort	Isoetes virginica	Isoetes virginica	G1	S1	SOC	LE	7	N
Small Whorled Pogonia	Isotria medeoloides	Isotria medeoloides	G2G3	S2	LT	LE	70	N

Note: On-line queries provide basic information from DCR's databases at the time of the request. They are NOT to be substituted for a project review or for on-site surveys required for environmental assessments of specific project areas.

For Additional Information on locations of Natural Heritage Resources please submit an [information request](#).

To Contribute information on locations of natural heritage resources, please fill out and submit a [rare species sighting form](#).

Markowitz, Evan J

From: Hypes, Rene (DCR) <Rene.hypes@dcr.virginia.gov>
Sent: Thursday, August 8, 2024 2:13 PM
To: Ferry, Lori M
Cc: Markowitz, Evan J; Heller Leib, Abigail (Abby); Douglas Sipe; Tessier, John; Martin, Kyle; james.sabol@eqt.com
Subject: RE: MVP Southgate Project-VA Listed Species Information (state)

Thank you, Lori, for reaching out regarding a data request for the Mountain Valley Pipeline and the MVP Southgate Project. Please reach out with some possible dates and times.

We look forward to talking with you more about the request.

Rene'

Rene' Hypes
Project Review Coordinator
Department of Conservation and Recreation
Division of Natural Heritage
600 East Main Street, 24th Floor
Richmond, Virginia 23219
804-371-2708 | rene.hypes@dcr.virginia.gov



From: Ferry, Lori M <lmferry@burnsmcd.com>
Sent: Thursday, August 8, 2024 1:08 PM
To: Hypes, Rene (DCR) <Rene.hypes@dcr.virginia.gov>
Cc: Markowitz, Evan J <ejmarkowitz@burnsmcd.com>; Heller Leib, Abigail (Abby) <ahellerleib@burnsmcd.com>; Douglas Sipe <dsipe@mdmcorp.com>; Tessier, John <John.Tessier@nee.com>; Martin, Kyle <Kyle.Martin@nexteraenergy.com>; james.sabol@eqt.com
Subject: MVP Southgate Project-VA Listed Species Information (state)

Ms. Hypes,

On behalf of Mountain Valley Pipeline, LLC and the MVP Southgate Project, Burns & McDonnell is submitting the attached correspondence regarding a request for state listed species information within the Project area.

The Project is under the jurisdiction of the Federal Energy Regulatory Commission. Please see the attached letter for further information regarding the Project. We will be reaching out to you in the coming weeks to request a meeting with your office to discuss the updated project.

Please don't hesitate to reach out to us if you have any questions in the interim!

Thanks!

Lori Ferry

Department Manager \ Natural & Cultural Resources

o 331-218-3688 \ m 630-605-5255

lmferry@burnsmcd.com \ burnsmcd.com

1431 Opus Place Suite 400 \ Downers Grove, IL 60515

Virginia Department of Wildlife Resources


FW: Wildlife Scoping Instructions and Resource Protection Recommendations

From Chalmers, Cory <cory.chalmers@eqt.com>

Date Mon 2025-02-24 1:38 PM

To Ferry, Lori M <lmferry@burnsmcd.com>; Heller Leib, Abigail (Abby) <ahellerleib@burnsmcd.com>

Cc John Tessier <John.Tessier@nee.com>; Neylon, Megan <Megan.Neylon@eqt.com>

 2 attachments (1 MB)

Wildlife-Scoping-and-Resource-Protection-Recommendations.pdf; 2_2024-08-08_VADCR 90830, BM 171151, MVP Southgate.pdf;

From: Schul, Hannah (DWR) <Hannah.Schul@dwr.virginia.gov>

Sent: Monday, February 24, 2025 2:30 PM

To: Chalmers, Cory <cory.chalmers@eqt.com>

Cc: Neylon, Megan <Megan.Neylon@eqt.com>; John Tessier <John.Tessier@nee.com>; Strawderman, Nicole (DWR) <Nicole.Strawderman@dwr.virginia.gov>; Brann, Lee (DWR) <Lee.Brann@dwr.virginia.gov>

Subject: [EXTERNAL] Re: Wildlife Scoping Instructions and Resource Protection Recommendations

Thanks Cory, we will record DCR's comments accordingly.

As we discussed, Environmental Services does not have the capacity to scope projects but strongly encourage early and often coordination, especially for large scale and/or complex projects. This helps prevent potential issues down the road when we formally review the project via a permitting action.

Depending on habitat and species present we may, for example, recommend avoidance and minimization measures, Time of Year Restrictions, and habitat assessments and/or species surveys. Assessments/surveys often have specific times of year in which to be conducted and the earlier in the process the applicant is aware of the potential or determined need for assessments/surveys, the better.

Let me know if you have any questions.

Thanks!



Hannah Schul
Environmental Services Program Manager
(804) 968-8546

[Virginia Department of Wildlife Resources](https://dwr.virginia.gov/wies/environmental-services/)
7870 Villa Park Drive
P.O. Box 90778
Henrico, VA 23228

<https://dwr.virginia.gov/wies/environmental-services/>

From: Chalmers, Cory <cory.chalmers@eqt.com>

Sent: Thursday, February 13, 2025 5:18 PM

To: Schul, Hannah (DWR) <Hannah.Schul@dwr.virginia.gov>

Cc: Neylon, Megan <Megan.Neylon@eqt.com>; John Tessier <John.Tessier@nee.com>

Subject: RE: Wildlife Scoping Instructions and Resource Protection Recommendations

Hi Hannah! Great chatting with you this afternoon and thanks for sending over the scoping instructions. We'll go through the process and follow up with any questions that come up.

And as discussed, attached is the response we received from DCR from our request for species specific information.

Take care,

Cory

Cory Chalmers

Permitting Specialist

Direct: 304.627.8173

cory.chalmers@eqt.com

From: Schul, Hannah (DWR) <Hannah.Schul@dwr.virginia.gov>
Sent: Thursday, February 13, 2025 4:06 PM
To: Chalmers, Cory M. <CChalmers@equitransmidstream.com>
Subject: [EXTERNAL] Wildlife Scoping Instructions and Resource Protection Recommendations



Hannah Schul

Environmental Services Program Manager

(804) 968-8546

[Virginia Department of Wildlife Resources](#)

7870 Villa Park Drive

P.O. Box 90778

Henrico, VA 23228

<https://dwr.virginia.gov/wies/environmental-services/>

To learn about EQT's environmental, social and governance efforts visit: <https://esg.eqt.com>



Wildlife Scoping Instructions and Resource Protection Recommendations

[Wildlife Information and Environmental Services](#)

September 29, 2023

Step 1: Access the VA Fish and Wildlife Information Service (VAFWIS) from the DWR website at: <https://services.dwr.virginia.gov/fwis/index.asp> . Also access the below bat data applications: Northern Long-eared Bat Regulatory Buffer Map: <https://dwr.virginia.gov/wildlife/bats/northern-long-eared-bat-application/> and the Little Brown and Tricolor Bat Hibernacula and Roosts: <https://www.DWR.virginia.gov/wildlife/bats/little-brown-bat-tri-colored-bat-winter-habitat-roosts-application/> Send an email to Support_VAFWIS@dwr.virginia.gov if you need to set up an account or need other assistance.

Step 2: Using the geographic search function, generate an Initial Project Assessment (IPA) report for the site using an at least 2 – mile buffer around project boundaries (action area). See the “help” section for instructions.

Step 3: Review the below information regarding data returned by VAFWIS and apply, as appropriate. Please see the end of the document for contacts regarding common wildlife species, the location of which may not be accurately depicted by VAFWIS which is most heavily populated by imperiled species and designated resource data.

Any project with a federal nexus (e.g., the project entails any federal funding, permits, or federal agency action) must comport with consultation requirements pursuant to Section 7 of the Endangered Species Act. To ensure such compliance, the project applicant or proponent should access the USFWS Virginia Field Office Project Review (IPaC) website at: <https://www.fws.gov/office/virginia-ecological-services/virginia-field-office-online-review-process>. Since listing of Atlantic Sturgeon, all hydraulic hopper dredging activities in the Chesapeake Bay, Atlantic Ocean, and major tributaries, regardless of time of year must be coordinated with NOAA Fisheries Service.

I. Listed Species and Designated Wildlife Resources

Species Observations (SppObs) – The Species Observation dataset includes all verified species documentations maintained by DWR. If the IPA results indicate that a *listed species* has been documented from the project area, it is possible that the species is present on the project site, if suitable habitat exists. Coordinate with DWR Environmental Services Staff, per the protocols provided here: <https://dwr.virginia.gov/wies/environmental-services/> , as conservation measures may be necessary to ensure compliance with the Endangered Species Act

Threatened and Endangered Species Waters (TEWaters) – The Threatened and Endangered Species Waters (TEWaters) dataset includes the locations of waters from which *listed species* have been documented and which agency biologists have determined are currently occupied by such species. If work in the TEWater or its tributaries is proposed (ex: installation of crossings, soil borings, stream restoration, utility installation, etc.), we recommend coordination with DWR's Environmental Services (ES) staff per the protocols provided here: <https://dwr.virginia.gov/wies/environmental-services/> as conservation measures may be necessary to ensure compliance with the Endangered Species Act. Otherwise, we offer the below general guidance regarding protection of TEWaters:

a) If a waterbody is designated a TEWater due to the presence of listed fishes, mussels, snails, or crayfish, we recommend the following to best protect such listed aquatic species (and the resources upon which they depend) from harm that may result from nearby agriculture, silviculture, habitat management or restoration, and/or land development:

- We recommend protecting from impacts a natively vegetated riparian buffer of at least 100 ft on both sides of all intermittent tributaries to the designated water;
- We recommend protecting from impacts a natively vegetated riparian buffer of at least 200 ft on both sides of all perennial tributaries to designated waters; and/or

- We recommend protecting from impacts a natively vegetated riparian buffer of at least 300 ft on both sides of designated waters.

b) If a waterbody is designated a TE Water due to the presence of wood turtles, we recommend the following (in addition to the above), to best protect this listed semi-aquatic species (and the resources upon which it depends) from harm that may result from nearby silviculture, habitat management or restoration, and/or land development

- Because wood turtles must have access to freshwater streams during hibernation as well as access to adjacent uplands, where they forage, mate, and nest, we recommend coordination with us not only for instream work, but also for any work in uplands adjacent to (within 900 feet of) the designated water.

Anadromous Fish Use Areas – The Anadromous Fish Use Areas (AnadFish Waters) dataset includes the locations of streams known to provide migratory and spawning habitats for anadromous fishes. We recommend coordination with DWR ES anytime work in designated AnadFish Waters and/or their tributaries is proposed. Otherwise, we offer the below general guidance regarding protection of AnadFish Waters:

- We recommend protecting from impacts a natively vegetated riparian buffer of at least 100 ft on both sides of all perennial tributaries to the designated water; and/or
- We recommend protecting from impacts a natively vegetated riparian buffer of at least 200 ft on both sides of all designated waters.

Anadromous Fishes/Fish Passage Expert:

Alan Weaver
804-367-6795

or Alan.Weaver@DWR.virginia.gov

Bat Occurrence Data Applications – These datasets include documented occurrences of these bats and regulatory buffers around those features. If your project/activity falls within one of the regulatory buffers, we recommend coordination with DWR's Environmental Services (ES) staff per the protocols provided here: <https://dwr.virginia.gov/wies/environmental-services/> as conservation measures may be necessary to ensure compliance with the Endangered Species Act.

- Northern Long-eared Bats: <https://dwr.virginia.gov/wildlife/bats/northern-long-eared-bat-application/>
- Little brown and Tricolor Bat hibernacula and roosts: <https://www.DWR.virginia.gov/wildlife/bats/little-brown-bat-tri-colored-bat-winter-habitat-roosts-application/>

Sea Turtle Nesting Beaches* – This dataset includes stretches of beach/shoreline in Virginia known to support nesting of sea turtles, all of which are federally- and state-listed. We recommend coordination with DWR ES, per the protocols provided here: <https://dwr.virginia.gov/wies/environmental-services/> as conservation measures may be necessary to ensure compliance with the Endangered Species Act.

Wild Trout Waters – The Cold Water Streams dataset includes the locations of waters designated as cold water habitat. Many of these streams represent wild trout streams. To best protect these waters and the species they are known to support, we recommend coordination with DWR ESS per the protocols provided here: <https://dwr.virginia.gov/wies/environmental-services/> anytime work in designated Trout Waters and/or their tributaries is proposed. Otherwise, we offer the below general guidance regarding protection of Trout Waters:

- We recommend protecting from impacts a natively vegetated buffer of at least 100 ft on both sides of all perennial tributaries to the designated water;
- We recommend protecting from impacts a natively vegetated buffer of at least 200 ft on both sides of designated waters.

Stockable Trout Waters – The Cold Water Streams dataset also includes the locations of waters currently stocked with trout by DWR as well as those suitable for stocking, but perhaps not currently stocked. To best protect these waters and the species they are known to or capable of supporting, we recommend coordination with DWR ESS per the protocols provided here: <https://dwr.virginia.gov/wies/environmental-services/> anytime work in Stocked Trout Waters is proposed. Otherwise, we offer the below general guidance regarding protection of Trout Waters:

- We recommend protecting from impacts a natively vegetated buffer of at least 100 ft on both sides of all perennial tributaries to the designated water;

- We recommend protecting from impacts a natively vegetated buffer of at least 200 ft on both sides of designated waters.

Colonial Waterbird (CWB) colonies – This DWR-maintained dataset includes documented locations of colonial waterbird colonies. To ensure protection of the colony and the species known to nest within it, we recommend coordination with DWR's ES per the protocols provided here: <https://dwr.virginia.gov/wies/environmental-services/> for any land development or timbering activities proposed to occur within 0.5 miles of a documented colony. Otherwise, we offer the below general guidance regarding protection of colonial waterbird colonies:

- We recommend preserving, planting and/or enhancing an undisturbed natively vegetated buffer of at least 500 ft around the waterbird colony. This provides the colony with a line of sight and habitat buffer, providing nesting activity protection as well as habitat protection to ensure suitability for future nesting seasons.

DWR Lands (boat ramps, WMA's, Fish Hatcheries, Lakes)* – The DWR Lands dataset includes locations of all DWR facilities. We support development of easement restrictions protective of our facilities and access to them by the public and our staff; and the watersheds/drainages upstream of our hatcheries and fishing lakes.

Bald Eagle Nests – This dataset includes the location of bald eagle nests, and their associated buffers, within Virginia. While we periodically update nest status or add new nests based on curated observations from citizens and/or our staff, we no longer update bald eagle nest data annually per flyover survey data. To ensure protection of bald eagles in compliance with the Bald and Golden Eagle Act, we recommend using the Center for Conservation Biology (CCB) [Eagle Nest Locator](#) to determine if any active eagle nests are known from the project area. If active bald eagle nests have been documented from the project area, we recommend that the project move forward in a manner consistent with [state and federal guidelines for protection of bald eagles](#); and coordination, as indicated, with the U.S. Fish and Wildlife Service regarding possible impacts upon bald eagles or the need for a federal bald eagle take permit.

Bald Eagle Concentration Area and Roosts (BECAR) - This dataset includes bald eagle concentration areas (defined as 660 feet landward or channelward of the shoreline) and documented roosting sites documented by VDWR and/or our partners. Significant habitat alteration, location of water-dependent facilities or other recreational and commercial activities within certain distances of eagle nests, concentration zones, or roosts may result in adverse impacts upon eagles. Therefore, we recommend that land owners comply with the Virginia [management guidelines for landowners](#); and that he or she coordinate with the U.S. Fish and Wildlife Service regarding possible impacts upon bald eagles or the need for a federal bald eagle take permit associated with activities on his or her property.

** coming to VAFWIS very soon!*

II. Common Wildlife Species and Resources

Use the following table to identify the appropriate contact to answer any questions or provide information regarding common wildlife and/or wildlife-related recreation in your area. Link to DWR regional map:

<https://www.DWR.virginia.gov/wp-content/uploads/vDWR-region-map.pdf>

DWR Region	Terrestrial Species	Aquatic Species	Lands/Facilities
I	David Norris 804-829-6580 David.Norris@dwr.virginia.gov	Clinton Morgeson 804-829-6580 Clinton.Morgeson@dwr.virginia.gov	Jennifer Allen 804-367-1000 Jenn.Allen@dwr.virginia.gov
II	Matthew Overstreet 434-525-7522 Matthew.Overstreet@dwr.virginia.gov	Scott Smith 434-525-7522 Scott.Smith@dwr.virginia.gov	Pete Schula 434-252-7522 Pete.Schula@dwr.virginia.gov
III	Lisa Sztukowski 276-783-4860 Lisa.Sztukowski@dwr.virginia.gov	Jeff Williams 276-783-4860 Jeff.Williams@dwr.virginia.gov	Tom Hampton 276-783-4860 Tom.Hampton@dwr.virginia.gov
IV	Jaime Sajecki 540-248-9360 Jaime.Sajecki@dwr.virginia.gov	Stephen Reeser 540-248-9360 Steve.Reeser@dwr.virginia.gov	Matt Kline 540-248-9360 Matt.Kline@dwr.virginia.gov

Temporary 2023

Private Lands Wildlife Biologist Point of Contact:

Marc Puckett
434-392-8328
Marc.Puckett@DWR.virginia.gov

III: Species Special Status Table

Species Status and Type		Responsible Agency in Virginia
Federal Endangered (FE)	<i>Animals</i>	USFWS (or NOAA) and DWR
	<i>Plants and insects</i>	USFWS and DCR-DNH
Federal Threatened (FT)	<i>Animals</i>	USFWS (or NOAA) and DWR
	<i>Plants and insects</i>	USFWS and DCR-DNH
Federal Candidate (FC)	<i>Animals</i>	USFWS
	<i>Plants and insects</i>	USFWS and DCR-DNH
Federal Proposed (FP)		USFWS (at applicant's discretion)
Federal Species of Concern (FS)		USFWS (at applicant's discretion)
State Endangered (SE)	<i>Animals</i>	DWR
	<i>Plants and insects</i>	DCR-DNH
State Threatened (ST)	<i>Animals</i>	DWR
	<i>Plants and insects</i>	DCR-DNH
Wildlife Action Plan (WAP) Species of Greatest Conservation Need (SGCN)^		DWR (at applicant's discretion)

Table Notes:

NOAA Fisheries Service has jurisdictional authority over protection of sea turtles in Virginia's waters (non-nesting), Atlantic sturgeon, shortnose sturgeon and marine mammals.

The VA Dept. of Agriculture and Consumer Services (VDACS) retains legal authority for the protection of all plants and listed insects. However, through a memorandum of agreement with VDCR-DNH, coordination regarding these resources should be initiated with VDCR-DNH.

See www.bewildvirginia.org for more information about the Virginia Wildlife Action Plan

IV: DWR Environmental Services Contacts

Amy Martin, Program Manager
804-481-5296
Amy.Martin@dwr.virginia.gov

Lee Brann
804-481-1934
Lee.Brann@dwr.virginia.gov

Tamara Doucette
804-659-3428
Tamara.Doucette@dwr.virginia.gov

V: Project Review Submission Emails*

ESSProjects@dwr.virginia.gov

ProjectReview@dwr.virginia.gov

**See information here to determine which email address to submit your project for review:
<https://dwr.virginia.gov/wies/environmental-services/>*