

**ATTACHMENT A - VA DEQ 401 WQC INFORMATION
AND VIRGINIA WATER PROTECTION PERMIT APPLICATION**

MOUNTAIN VALLEY PIPELINE, LLC

**MVP SOUTHGATE
AMENDMENT PROJECT**

**VIRGINIA DEPARTMENT OF
ENVIRONMENTAL QUALITY
401 WATER QUALITY CERTIFICATION
INFORMATION AND VIRGINIA WATER
PROTECTION PERMIT APPLICATION**

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1.0 Project Information

Mountain Valley Pipeline, LLC (Mountain Valley¹) is seeking an Individual Permit from the United States Army Corps of Engineers (USACE) Norfolk and Wilmington Districts to conduct regulated activities below the ordinary high water elevation of navigable waters under Section 10 of the Rivers and Harbors Act of 1899 and for the discharge of dredged and fill material into Waters of the United States under Section 404 of the Clean Water Act (CWA) for the MVP Southgate Amendment Project (Amendment Project). In addition to the USACE Individual Permit application, Mountain Valley will be requesting CWA § 401 Water Quality Certification (WQC) and a Virginia Water Protection (VWP) permit from the Virginia Department of Environmental Quality (DEQ) for portions of the Amendment Project located in Virginia.

Due to the large volume of materials included in this submission, Mountain Valley has prepared this supplement for the convenience of DEQ staff in processing the VWP permit application and forthcoming CWA § 401 WQC request.²

2.0 VWP Permit Application

Mountain Valley submits this application for an individual VWP permit in accordance with Va. Code § 62.1-44.15:20.D.³ To facilitate DEQ's review, Mountain Valley has endeavored to prepare a complete application that provides all necessary information to make a tentative permit decision. Appended to this narrative as Attachment A-1 is a checklist that includes every permit application requirement in the VWP regulations and a reference to the location in this application package where the relevant information can be found.

The alternatives analysis for the Amendment Project is included in Section 3.0 of the Individual Permit application narrative. All alternatives not incorporated into the Amendment Project were evaluated and determined to either not be practicable, not satisfy the project purpose, or result in greater adverse impacts to surface waters. On-site measures to avoid and minimize impacts to surface waters are described in Sections 5.1 and 5.2 of the Individual Permit application narrative. These include but are not limited to, site-specific analysis of alternative crossing methods, narrowing the right-of-way near surface waters, using appropriate erosion and sediment control best management practices to protect aquatic resources from stormwater runoff, and restoring wetlands and waterbodies to pre-construction conditions. Site-specific erosion and sediment control plans are currently under development for the Amendment Project.

Mountain Valley is proposing to avoid and minimize aquatic impacts by using trenchless crossing methods where appropriate and practicable. Trenchless crossing methods significantly reduce the direct aquatic impacts associated with stream and wetland crossings. Due to site logistics, trenchless crossings

¹ Mountain Valley is a joint venture between EQT; NextEra Energy, Inc.; Consolidated Edison, Inc.; AltaGas Ltd.; and RGC Resources, Inc.

² Mountain Valley reserves all rights to amend, withdraw, or supplement the VWP Permit Application or any of its Attachments (including the Attachments thereto), and/or to object to, contest, or hold out as optional/ unnecessary any permit, request, approval, or certification applied for, denied, or received pursuant to the VWP Permit Application or its Attachments, pursuant to any Presidential Executive Order or any governmental action taken as a result of or related to any Presidential Executive Order.

³ The maximum diameter of the pipeline is 30 inches. Accordingly, the additional WQC requirements in Va. Code § 62.1-44.15:21(J) do not apply to the Amendment Project.

sometimes necessitate that timber mats or other structures be placed in aquatic resources (temporary fill) for the duration of the crossing to support the construction equipment crossing. Mountain Valley's site-specific analysis of alternative crossing methods for each single and complete project can be found in Section 5.1.1 and Table 12 of the Individual Permit application narrative. Plan and Profile Crossing Drawings for each impact area included in this application can be found in Attachment H of the Individual Permit application.

All wetland and waterbody impacts associated with the construction and operation of the Amendment Project will be temporary fill, conversion impacts of forested and shrub/scrub wetlands to emergent wetlands, or permanent fill due to newly installed or replaced culverts. No loss of wetland area is anticipated from the construction of the Amendment Project. A summary of proposed stream and wetland impacts in Virginia is included in Tables A-1 and A-2 (of this document), respectively. Detail maps of proposed stream and wetland impacts are included in Figure A-2.

Mountain Valley is proposing compensatory mitigation in the form of credit purchase agreements through third-party mitigation banks. Mountain Valley is working to obtain credit purchase agreements for all wetland conversion impacts and permanent impacts to streams. The credit purchase agreements will provide sufficient compensatory mitigation to comply with the VWP permit program regulatory requirements for all permanent wetland conversion impacts. Please refer to Section 5.3 of the Individual Permit application narrative for additional information on compensatory mitigation.

The Amendment Project has negotiated the majority of its necessary temporary and permanent easements for the properties within the Amendment Project limits. There are no known wetlands or waterbodies within land that use protective instruments that the Amendment Project is aware of. If this information changes, the Amendment Project will submit updated information attesting to the new information in a supplemental filing.

3.0 401 Certification Request

Under state law, a VWP permit issued to Mountain Valley would constitute CWA § 401 WQC for the Amendment Project with respect to stream and wetland crossings subject to the jurisdiction of the USACE.⁴ By satisfying the requirements of a complete VWP permit application, this submission has been prepared to provide the factual information necessary for DEQ to make a WQC decision in accordance with state law. This application constitutes Mountain Valley's request for certification.⁵

As required by 40 CFR § 121.6(a), Mountain Valley requests that DEQ send a written notification to Mountain Valley, the USACE Norfolk District Project Manager (Steven Vanderploeg, Steven.A.Vanderploeg@usace.army.mil), and the FERC Project Manager (Olivia Yu, olivia.yu@ferc.gov) confirming the date DEQ received this request.

⁴ Va. Code § 62.1-44.15:20.D.

⁵ 40 CFR § 121.5

4.0 Additional Information

The additional information below is provided to facilitate DEQ's review of this application. Note that Mountain Valley previously submitted a Preliminary Jurisdictional Determination (PJD) to the USACE Norfolk District confirming the presence of Waters of the United States in the Amendment Project limits of disturbance within Virginia. As of the date of this application, the PJD approval letter is still pending.

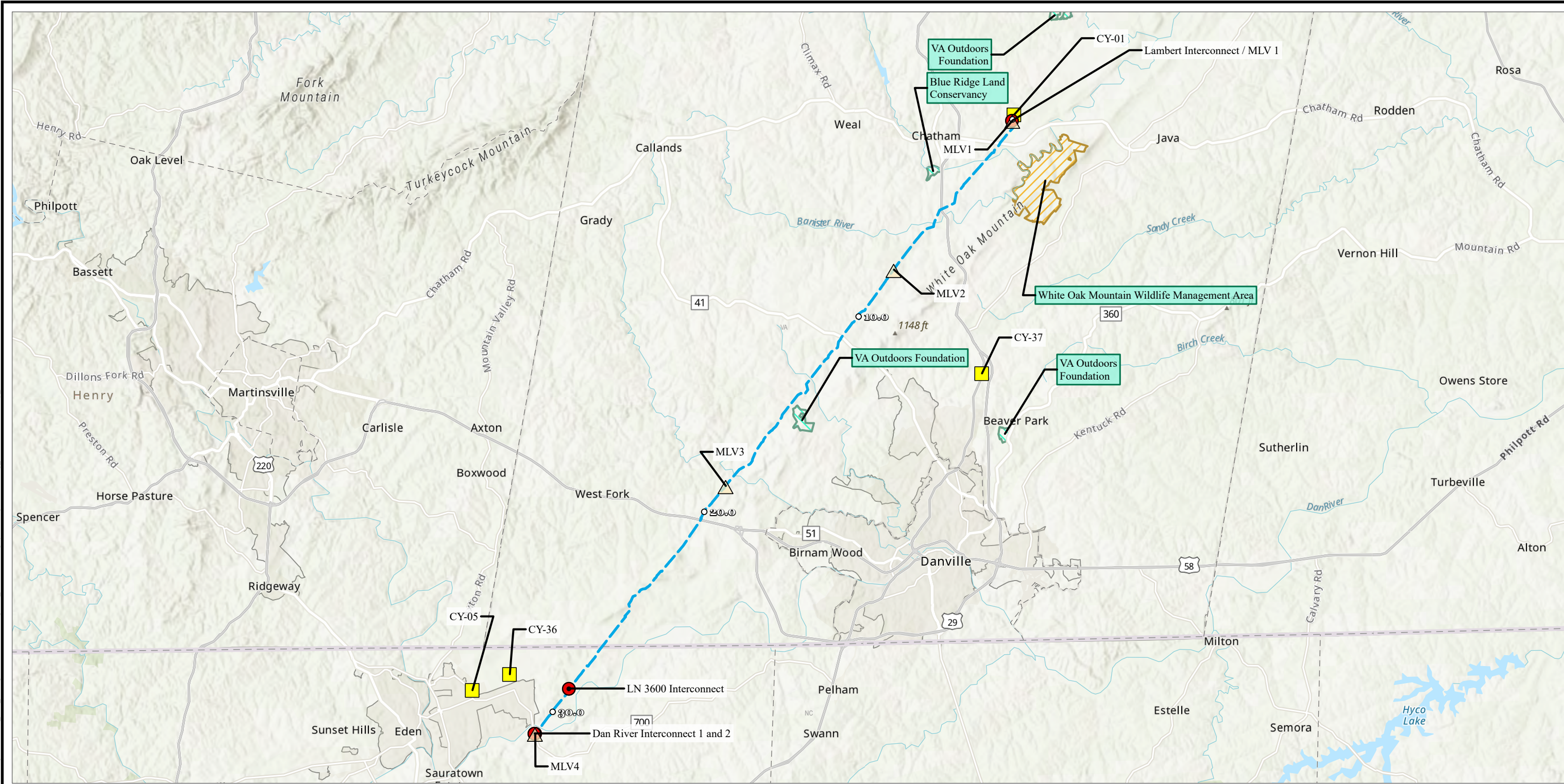
- Details regarding stream and wetland impacts in Virginia are included in [Table A-1](#) and [Table A-2](#), respectively. All proposed impacts to state waters, including temporary impacts associated with trenchless crossing methods, are included in this table.
- Summaries of stream impacts by flow regime and wetland impacts by Cowardin Class in Virginia are included as [Table A-3](#) and [Table A-4](#), respectively.
- The VWP Individual Permit Complete Application Checklist 3 is included as [Attachment A-1](#).
- An executed VWP Permit Program Property-Access Agreement is included as [Attachment A-2](#) hereto.
- Riparian Property Owner Information is included as [Attachment A-3](#).
- The PJD request to the USACE Norfolk District is included as [Attachment A-4](#).
- Correspondence with the Virginia Department of Conservation and Recreation (DCR) and Virginia Department of Wildlife Resources that includes the DCR Natural Heritage Review Response letter and state threatened and endangered species coordination is included as [Attachment A-5](#).

FIGURES

Figure A-1 Virginia Conservation Easements

Figure A-2 Wetland and Waterbody Impacts

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- MILEPOSTS
- △ MAINLINE VALVE
- METER STATIONS
- CONTRACTOR YARD
- SOUTHGATE CENTERLINE
- ▨ CONSERVED LANDS (VA)
- ▨ EASEMENTS (VA)
- ▭ USA CENSUS URBAN AREAS
- ▭ COUNTY BOUNDARY
- ▭ STATE BOUNDARY

NOTES:

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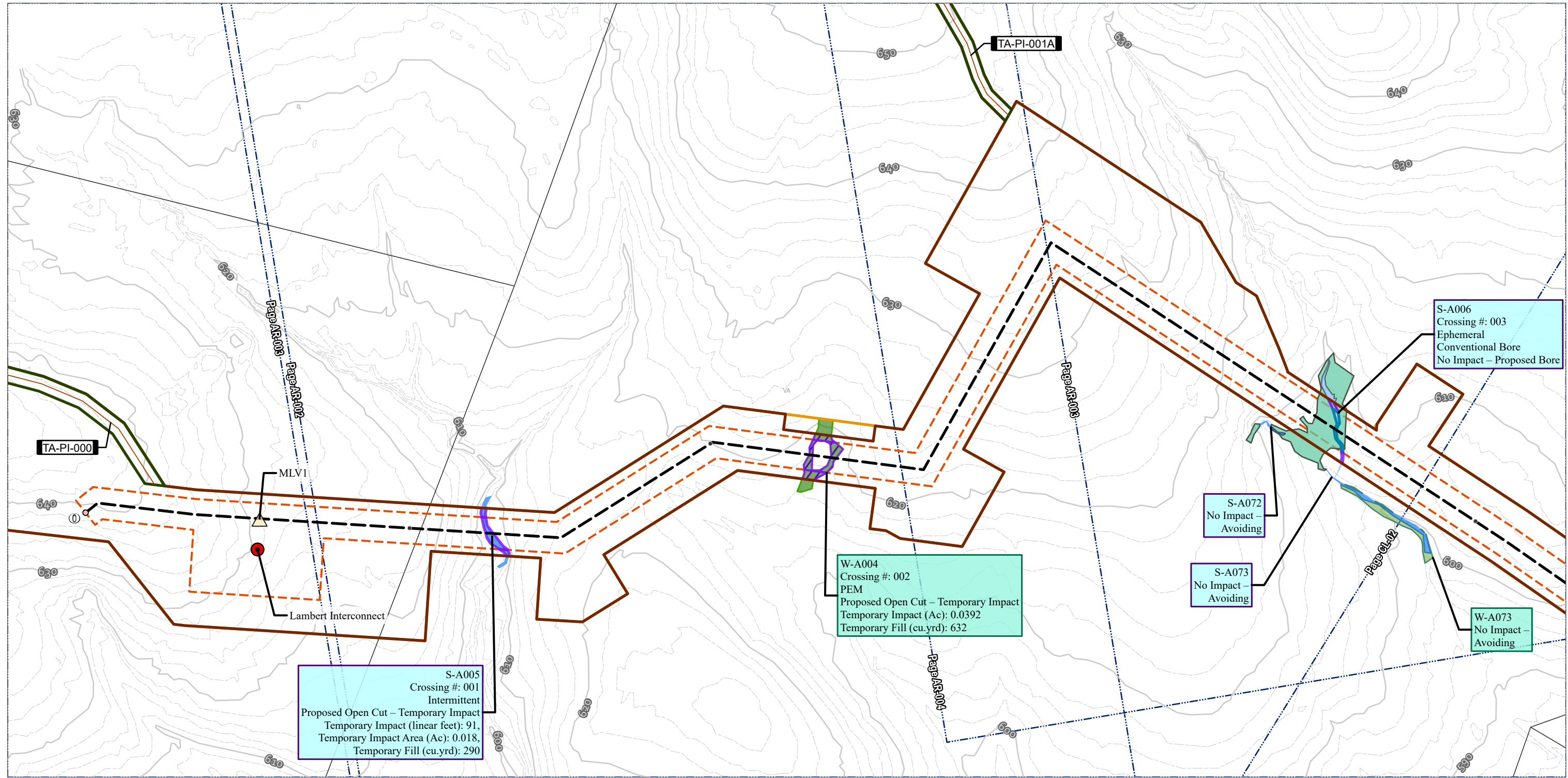
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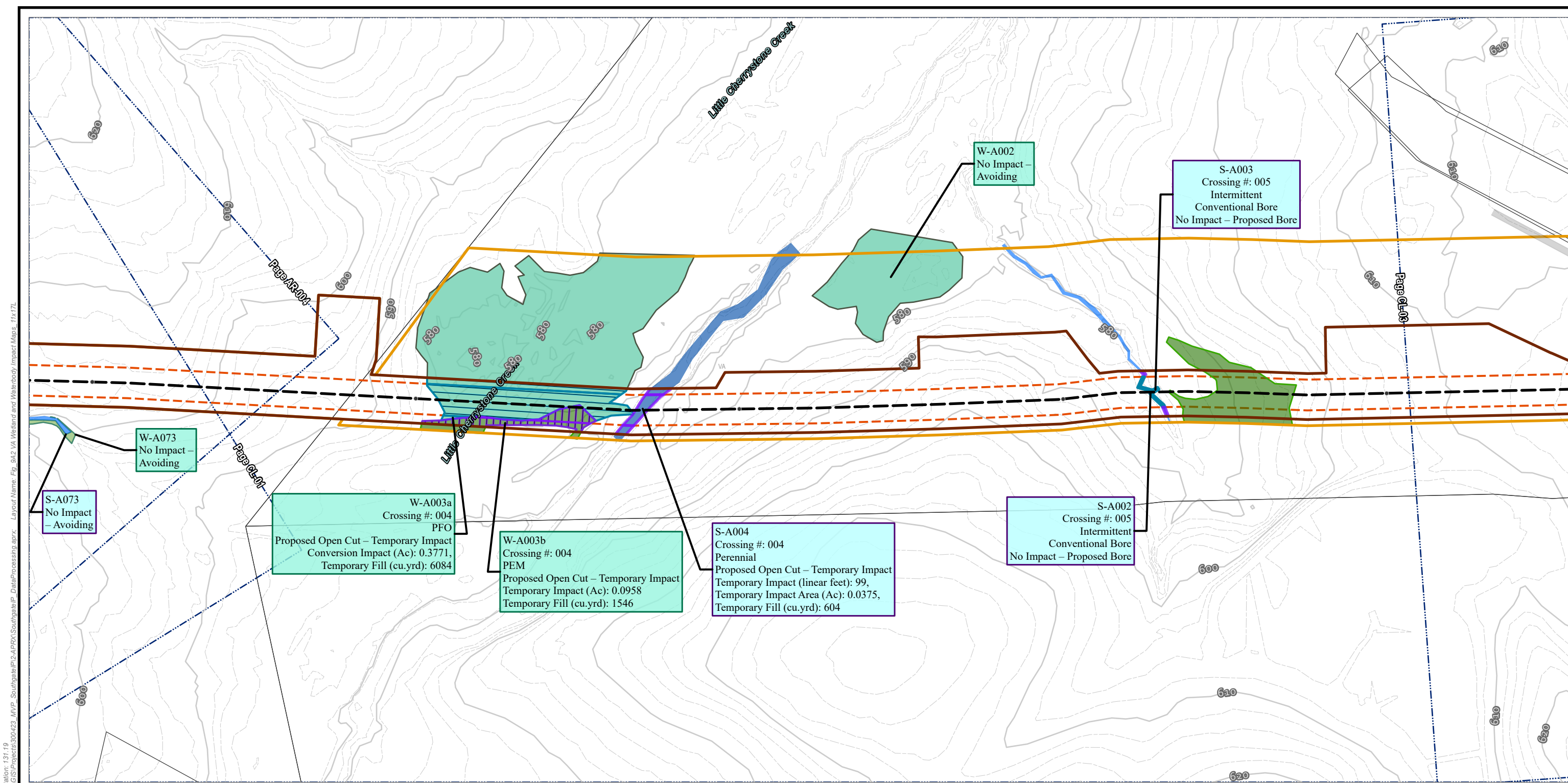
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TITLE: FIGURE A-1 VA CONSERVATION EASEMENT	
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APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
	
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TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERMANENT

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE FORESTED

PALUSTRINE SCRUB-SHRUB

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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1" = 200'

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MVP Southgate Amendment Project
Pittsylvania County, Virginia

TITLE:

FIG A-2
VA WETLAND AND WATERBODY IMPACT

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M. TACKEL

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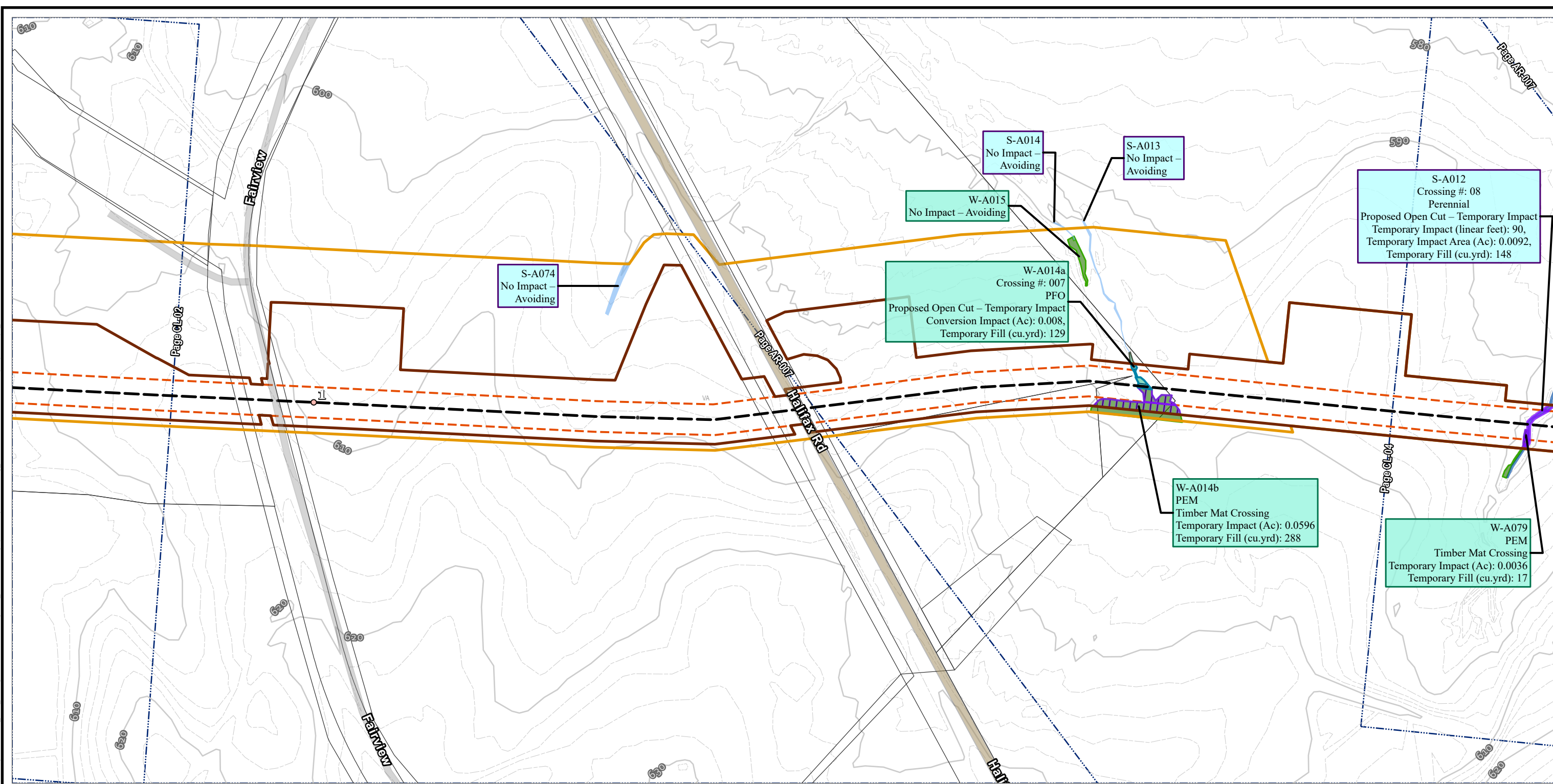
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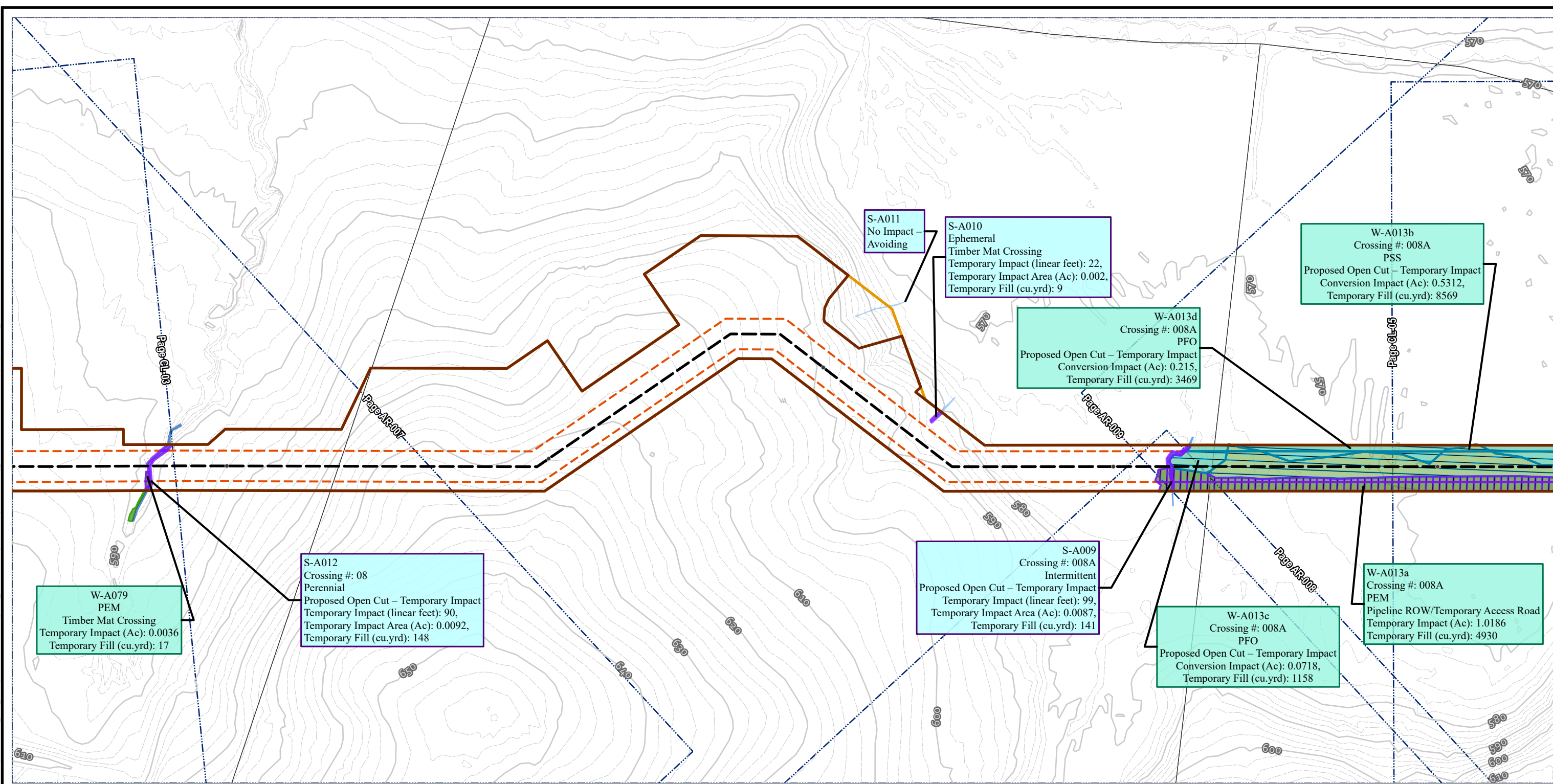
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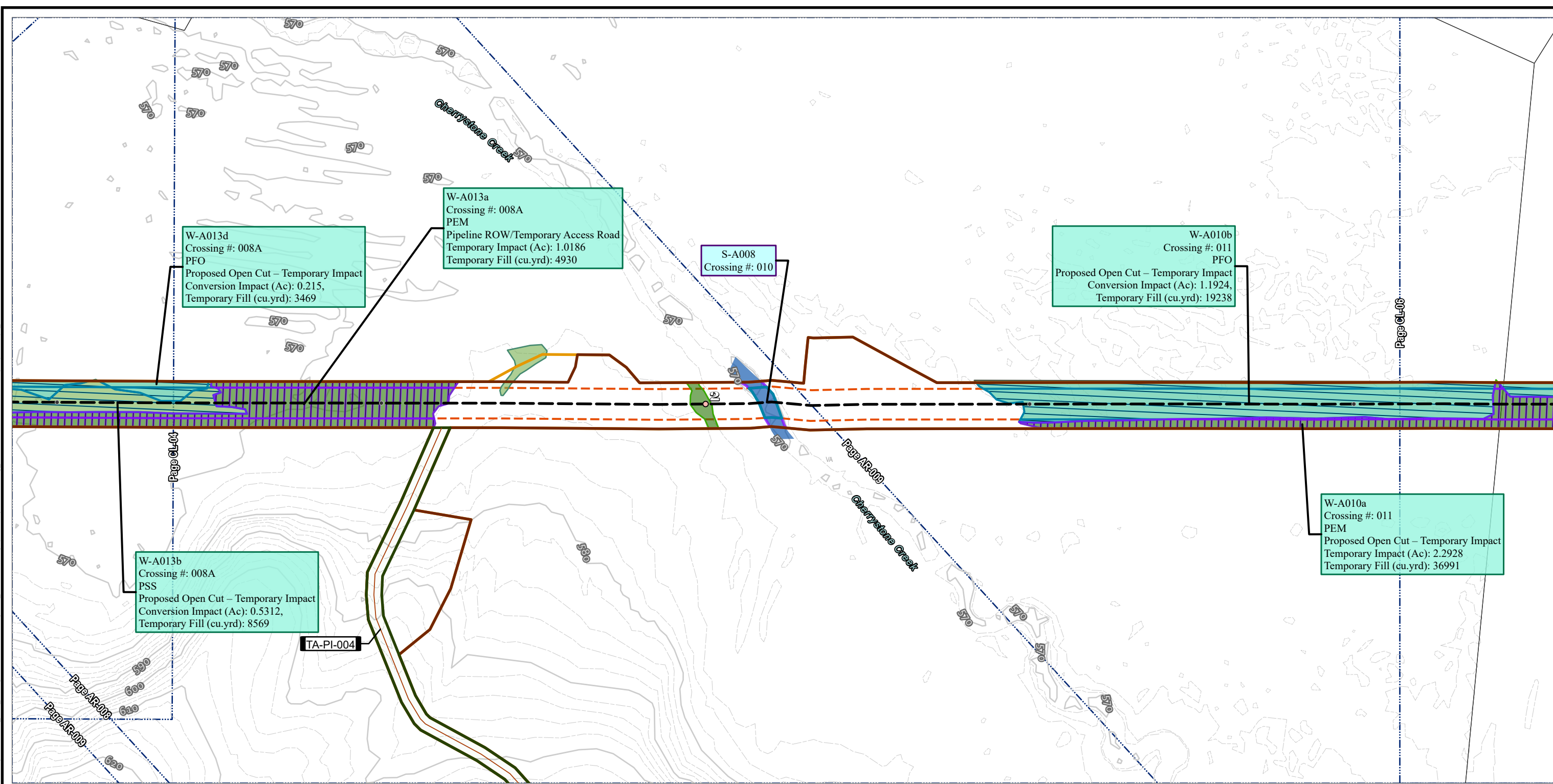
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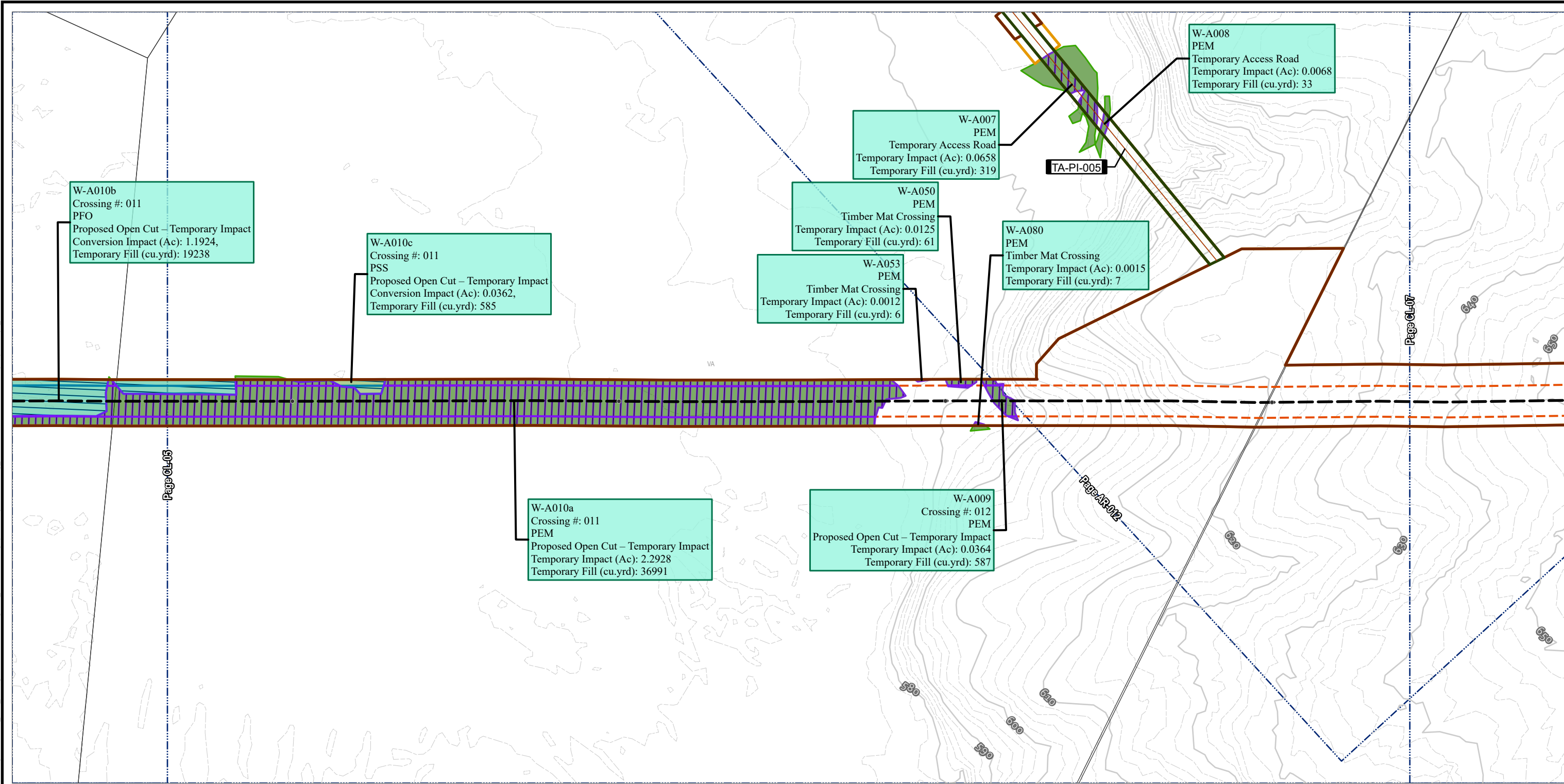
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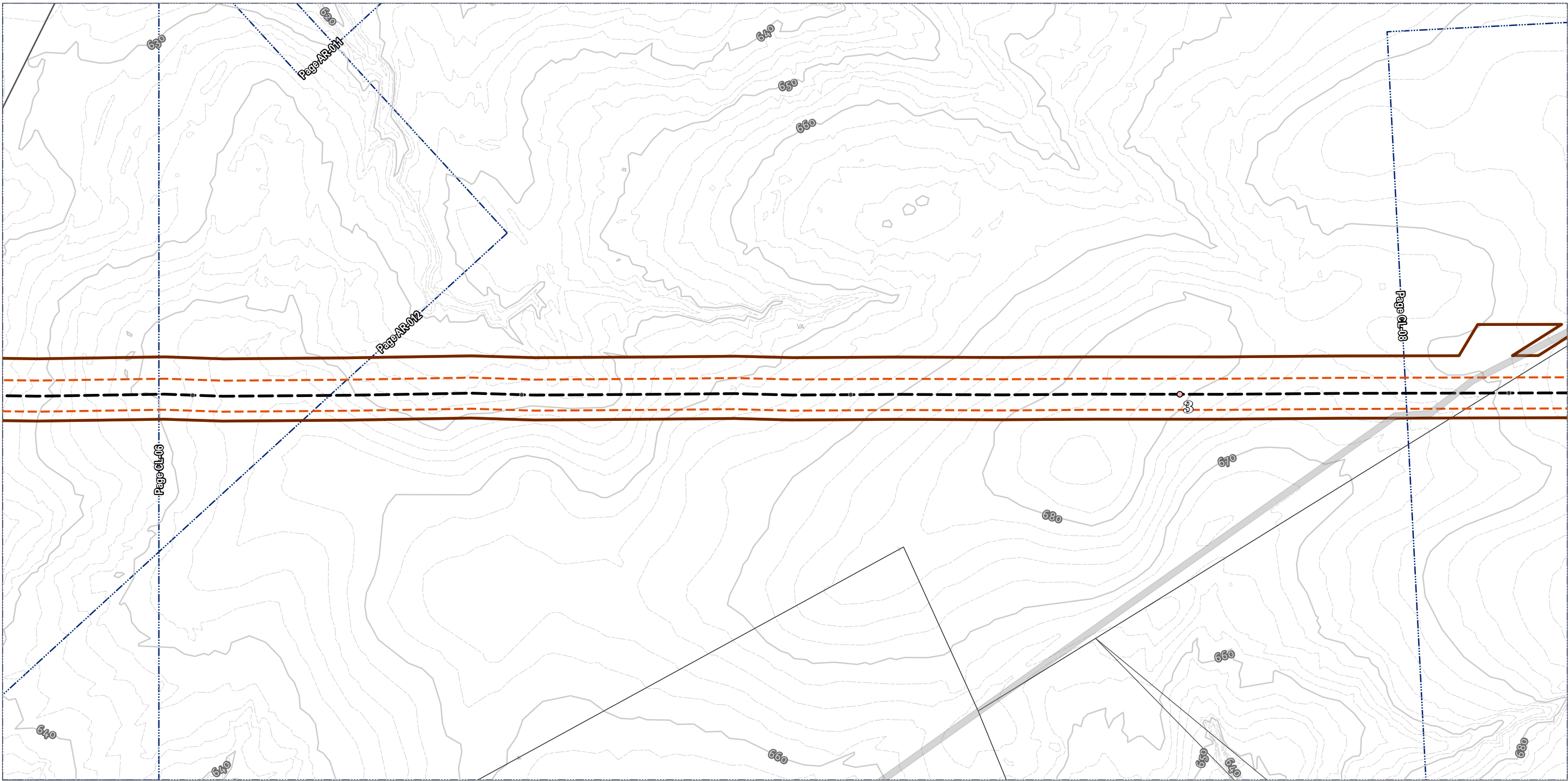
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TEMPORARY ACCESS ROAD	WETLAND IMPACT	PARCEL BOUNDARY
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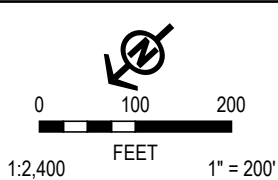
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- TENTH MILE POST
- MILE POST
- H-650 PIPELINE
- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
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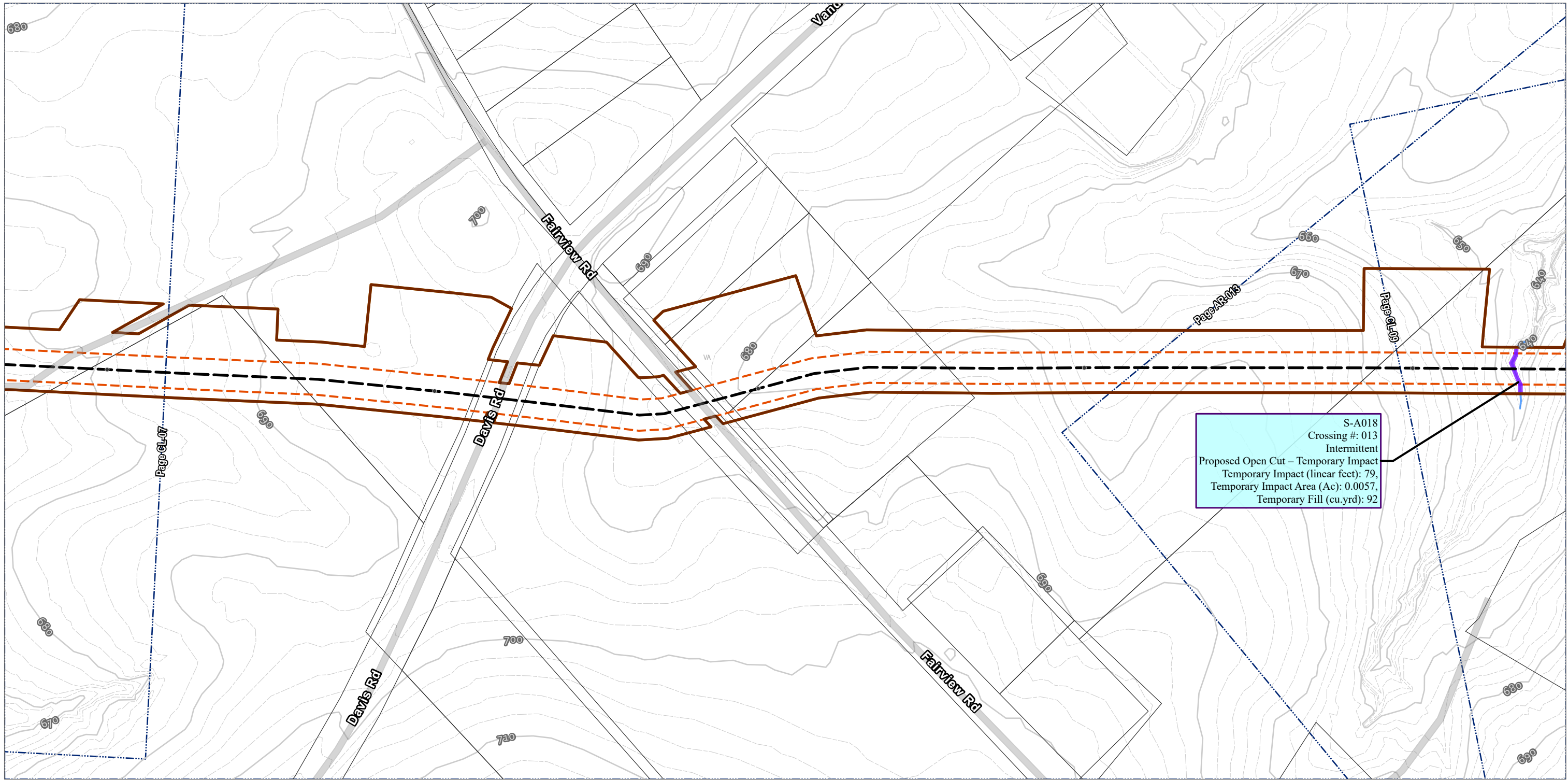


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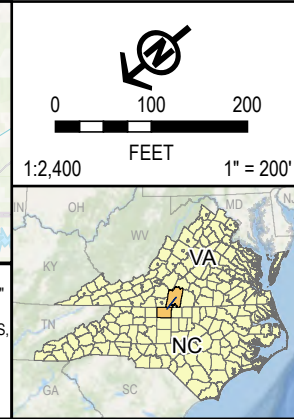
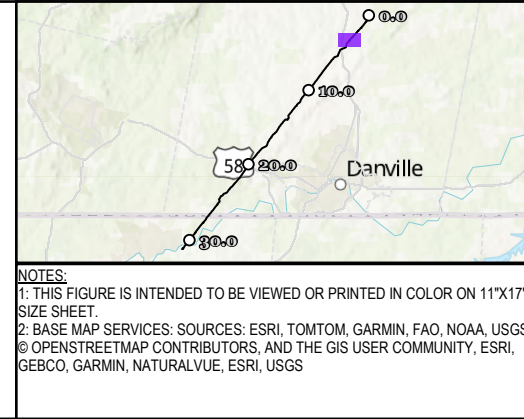


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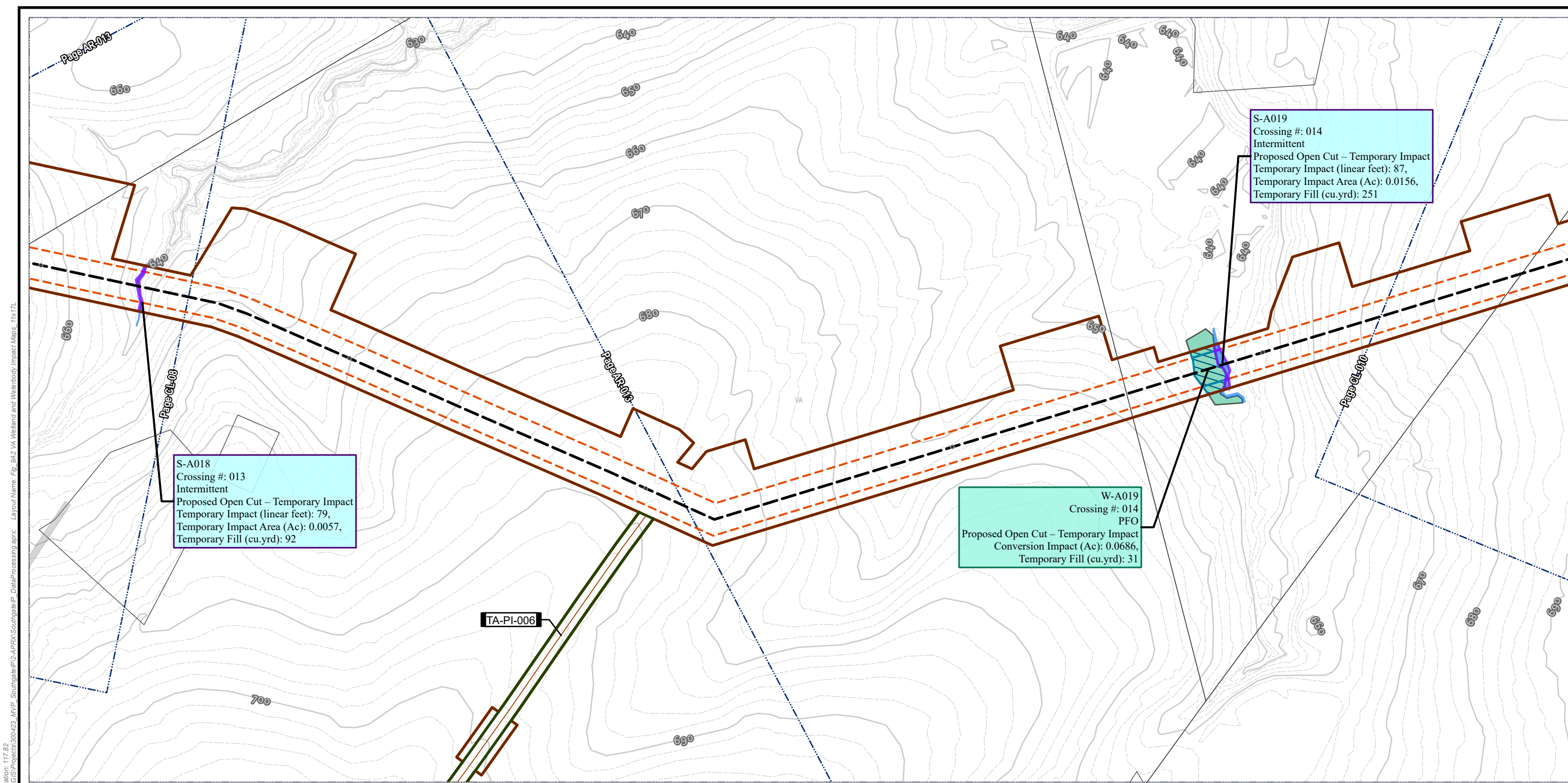
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- TENTH MILE POST
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- OPERATIONAL WORKSPACE
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OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

INTERMITTENT SURFACE WATER

WETLAND IMPACT

CONVERSION

PALUSTRINE FORESTED

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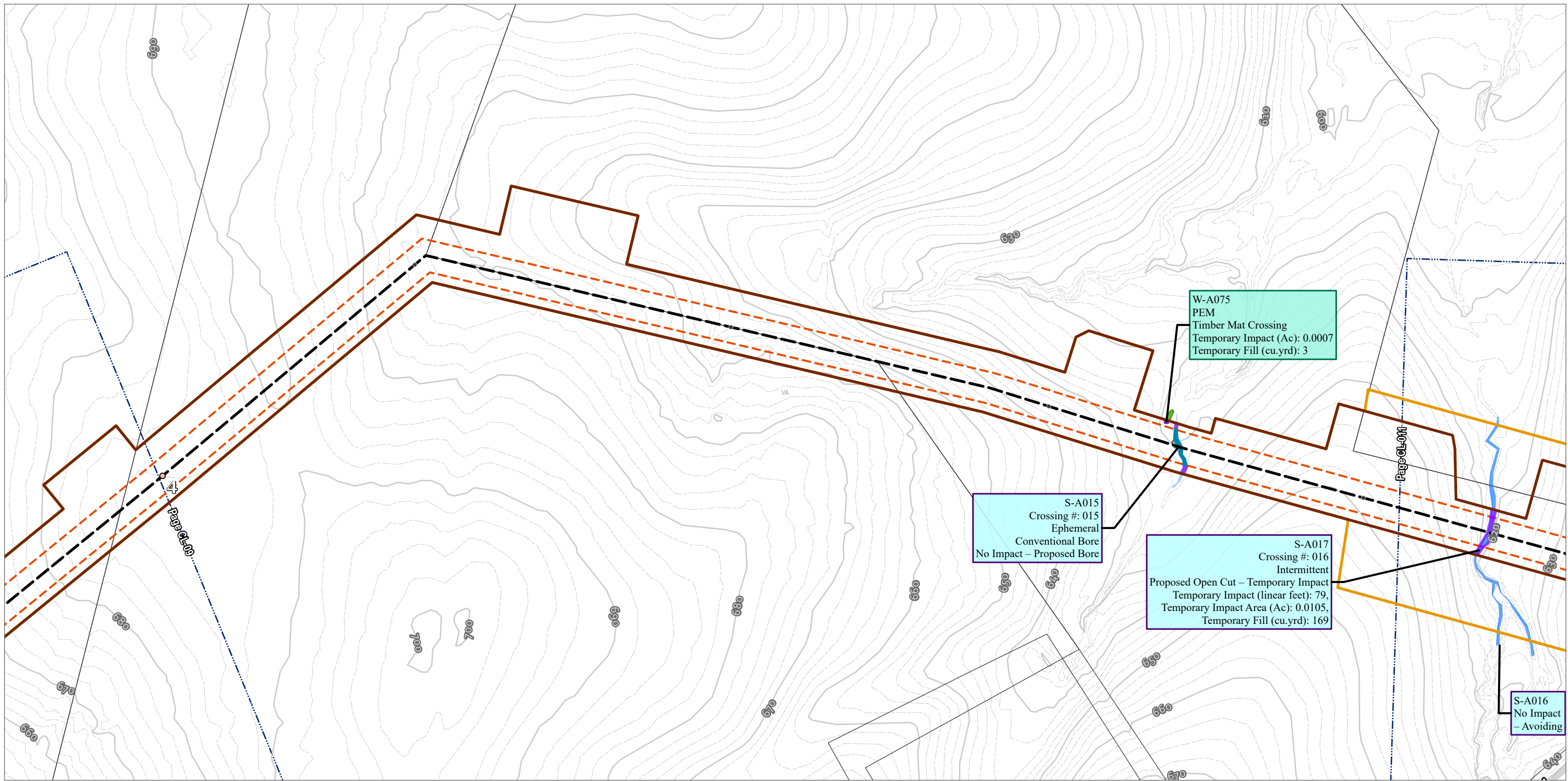
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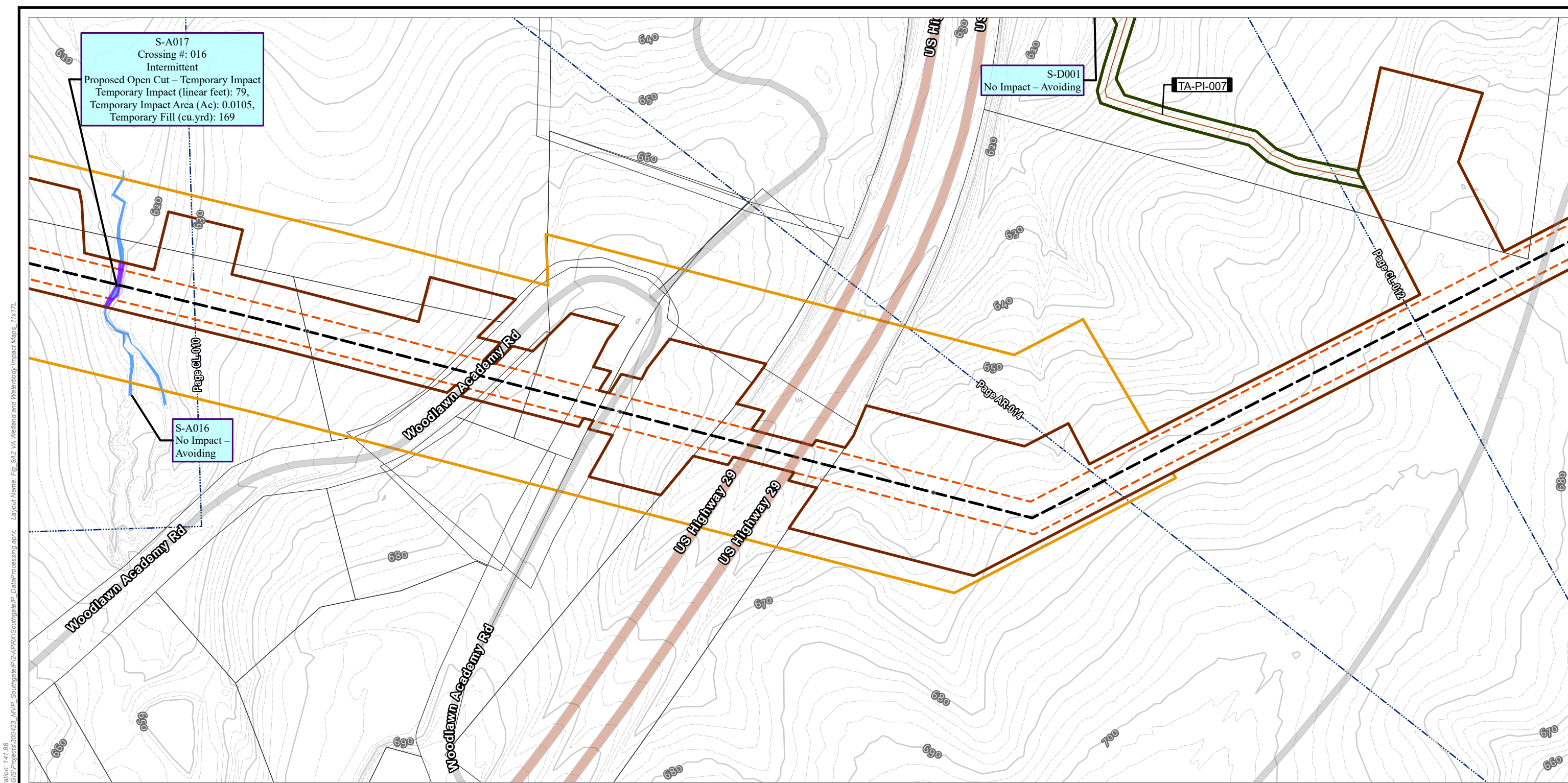
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- TENTH MILE POST - MILE POST - H-650 PIPELINE	- OPERATIONAL WORKSPACE - SURVEY AREA - LIMITS OF CONSTRUCTION WORKSPACE - STREAM IMPACT - TEMPORARY - PERMANENT - EPHEMERAL SURFACE WATER - INTERMITTENT SURFACE WATER - WETLAND IMPACT - TEMPORARY - PALUSTRINE 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	PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT <table><tr><td>DRAWN BY: J. THOMAS</td><td>PROJ. NO.: 300423</td></tr><tr><td>CHECKED BY: A. HORRIE</td><td rowspan="2">PAGE: 10 CL-010</td></tr><tr><td>APPROVED BY: M. TACKEL</td></tr><tr><td>DATE: APRIL 2025</td><td></td></tr></table> 10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400 FILE: SOUTHGATEIP_DATAPROCESSING.APRX	DRAWN BY: J. THOMAS	PROJ. NO.: 300423	CHECKED BY: A. HORRIE	PAGE: 10 CL-010	APPROVED BY: M. TACKEL	DATE: APRIL 2025	
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CHECKED BY: A. HORRIE	PAGE: 10 CL-010										
APPROVED BY: M. TACKEL											
DATE: APRIL 2025											



- TENTH MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

INTERMITTENT SURFACE WATER

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

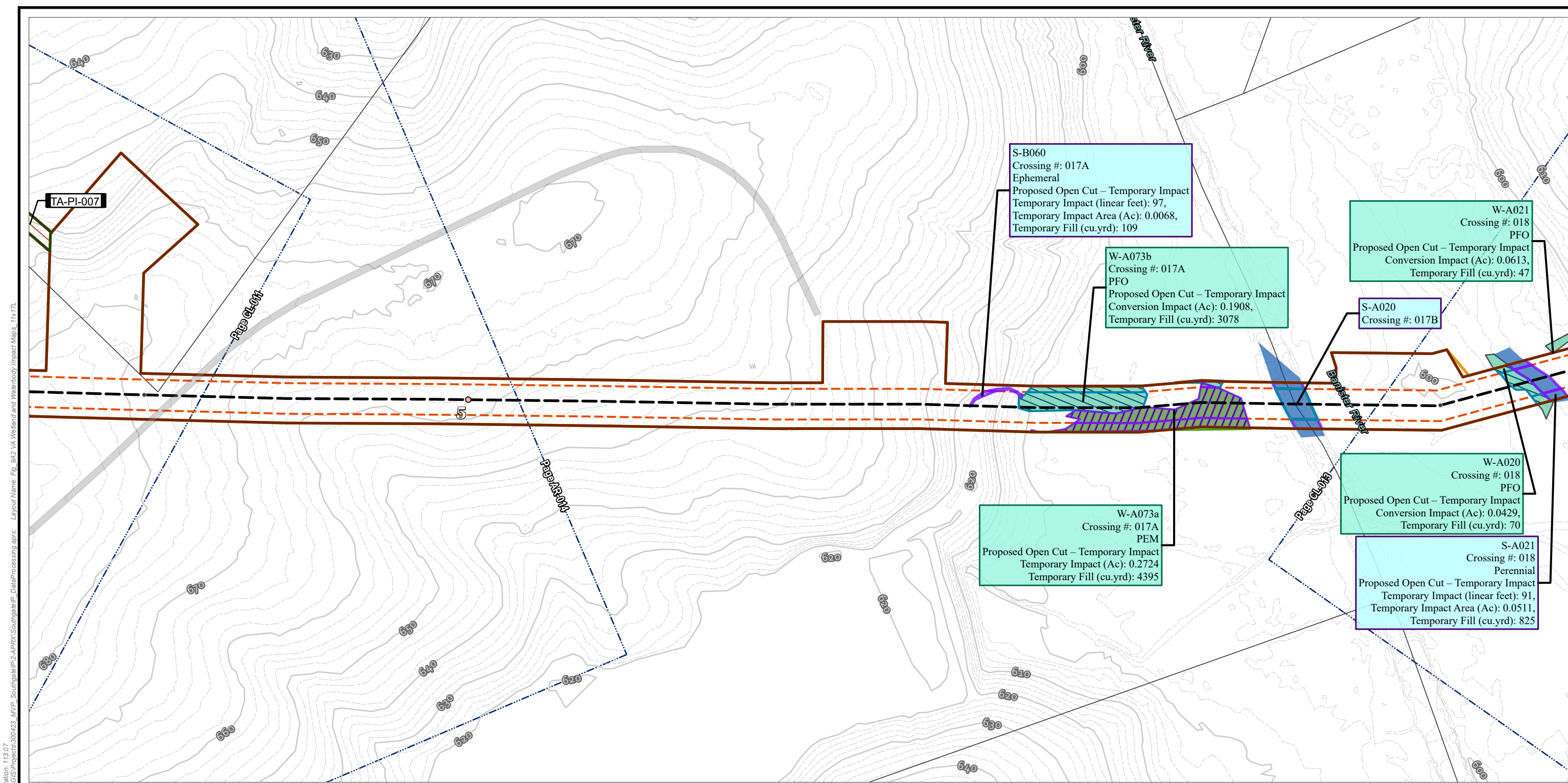
COUNTY BOUNDARY
- NOTES:

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FEET

1:2,400 1" = 200'
- | | | | |
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Pittsylvania County, Virginia | | | |
| TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT | | | |
| DRAWN BY: | J. THOMAS | PROJ. NO.: | 300423 |
| CHECKED BY: | A. HORRIE | PAGE: 11
CL-011 | |
| APPROVED BY: | M. TACKEL | | |
| DATE: | APRIL 2025 | | |
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TULSA, OK 74146
PHONE: 918.496.0400 | |
| FILE: | | SOUTHGATEIP_DATAPROCESSING.APRX | |
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TENTH MILE POST

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

WETLAND IMPACT

TEMPORARY

CONVERSION

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ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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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

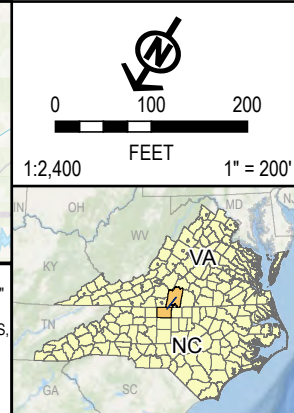
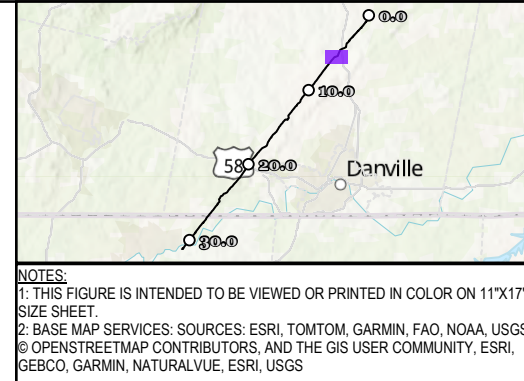
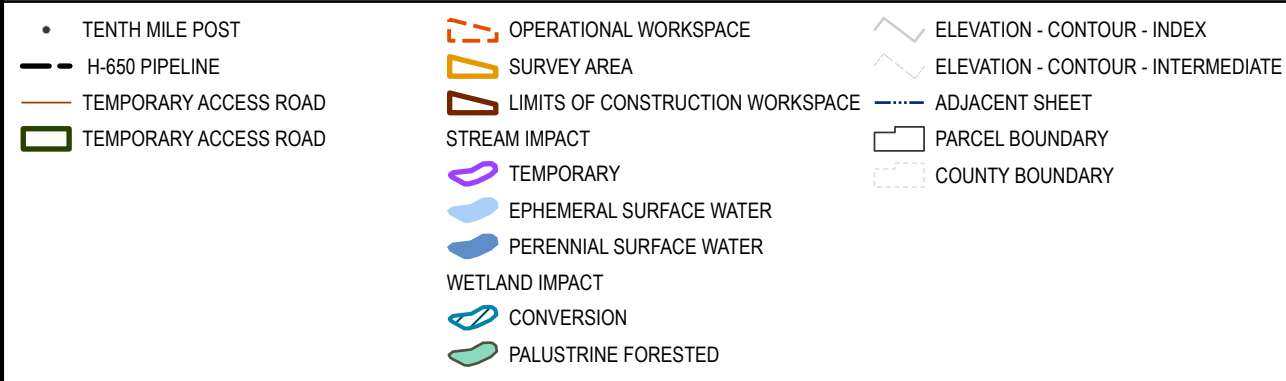
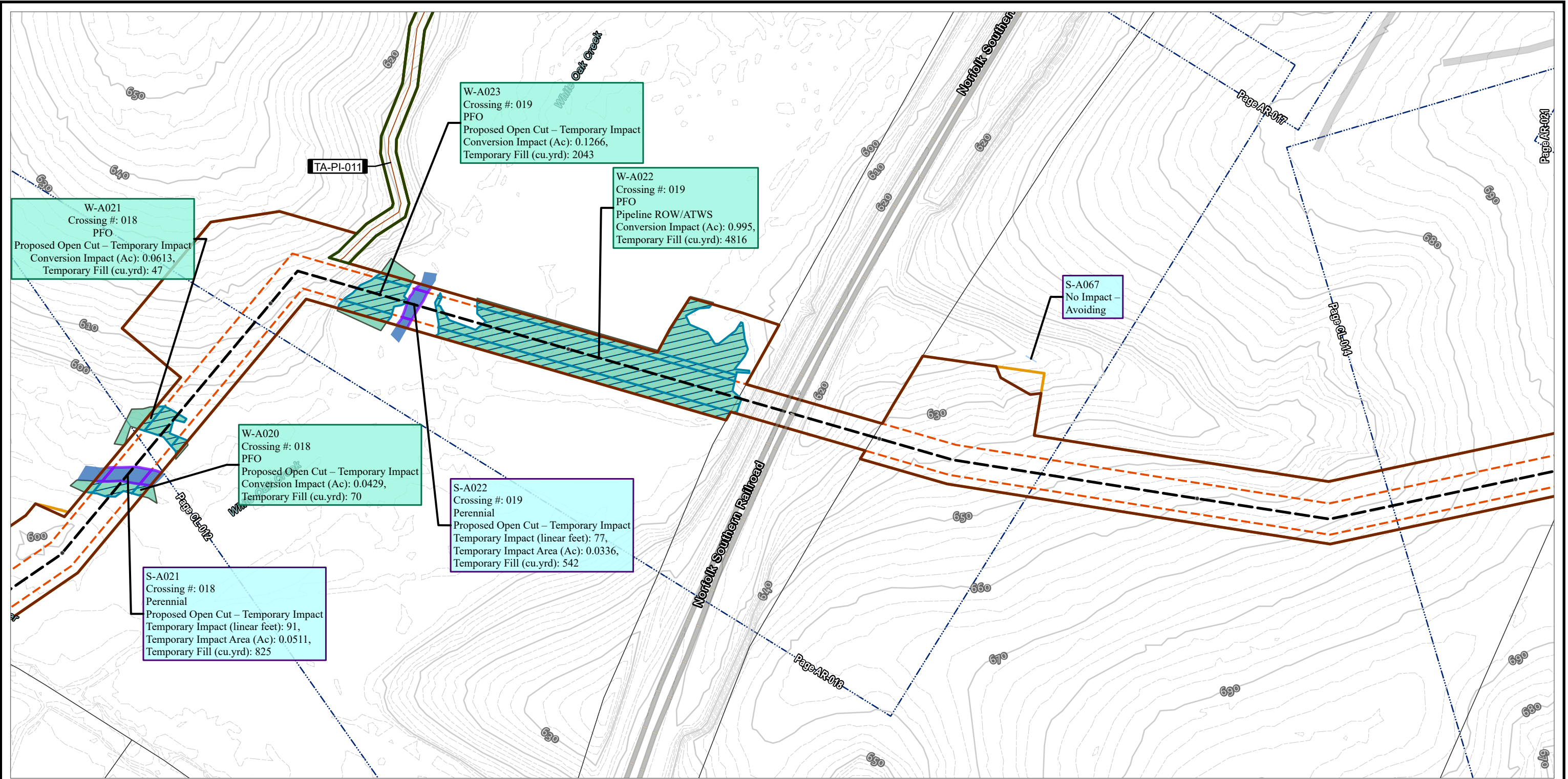
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PAGE: 12
CL-012

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TULSA, OK 74146
PHONE: 918.496.0400

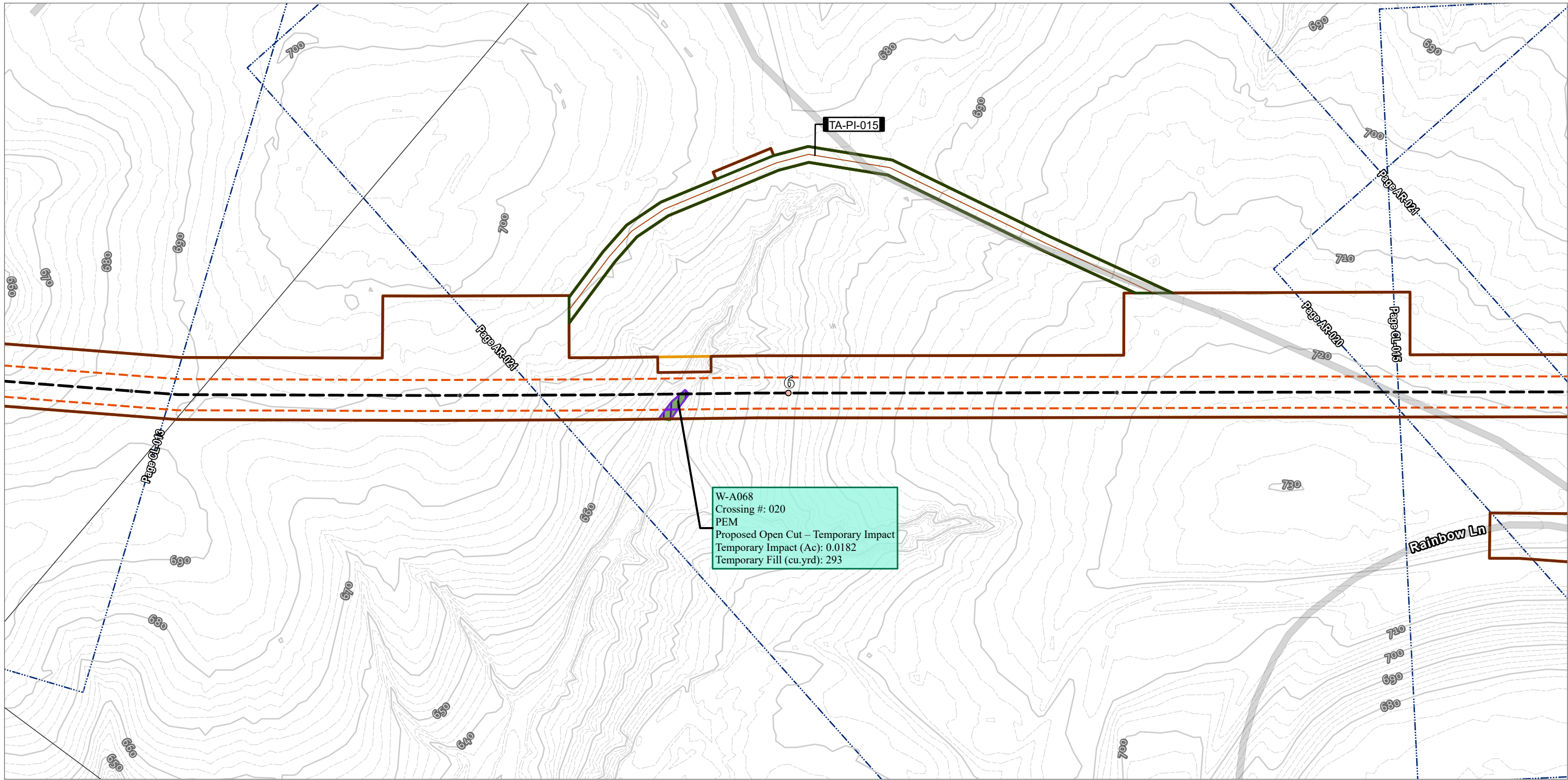
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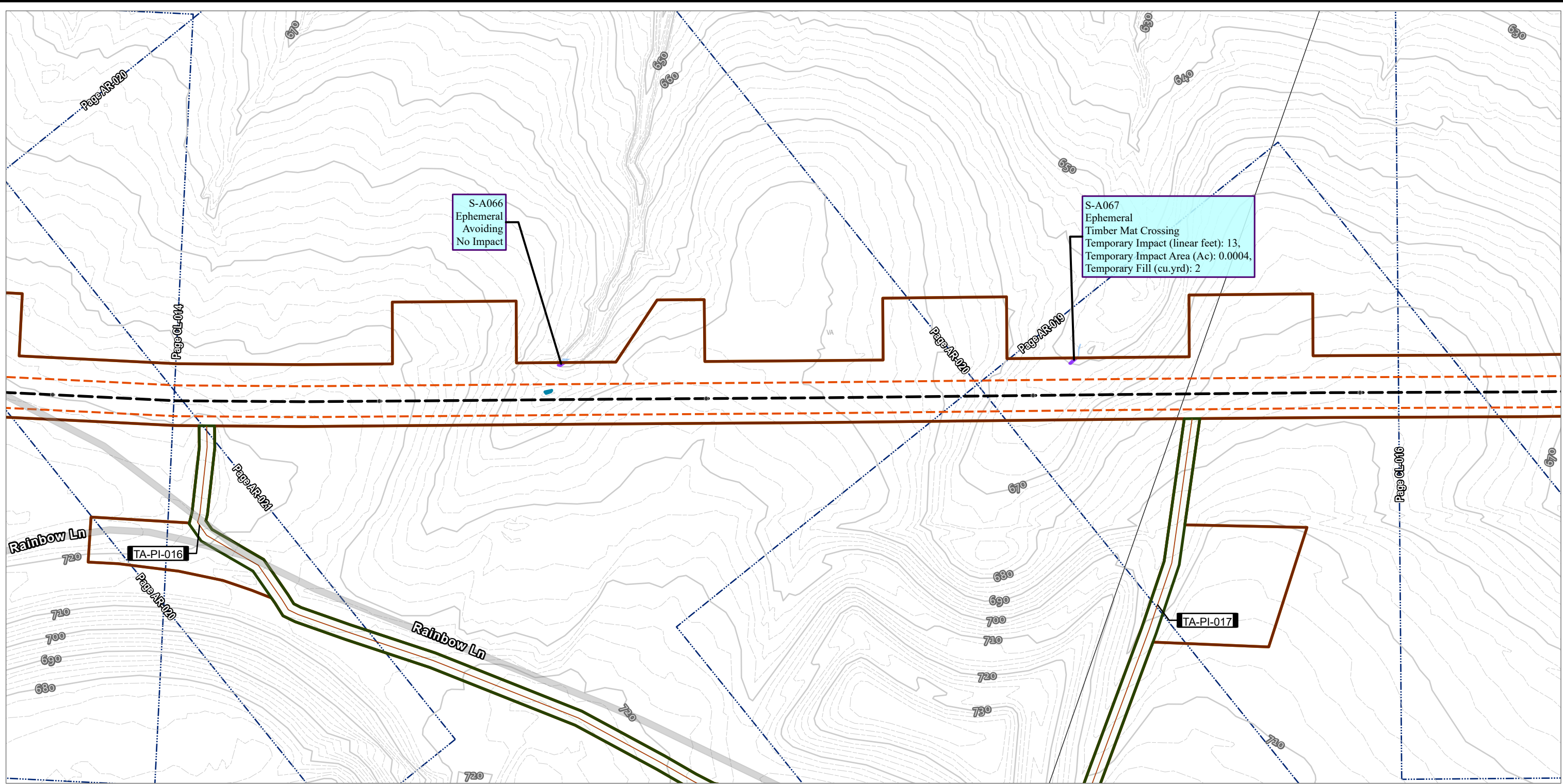
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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT		
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CHECKED BY: A. HORRIE		
APPROVED BY: M. TACKEL		
DATE: APRIL 2025		
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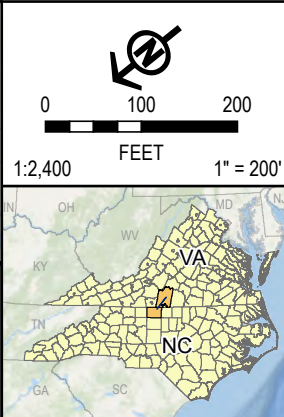
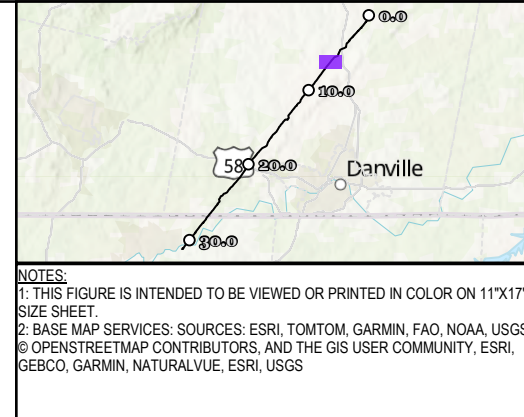


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CHECKED BY: A. HORRIE	PAGE: 14 CL-014										
APPROVED BY: M. TACKEL											
DATE: APRIL 2025											

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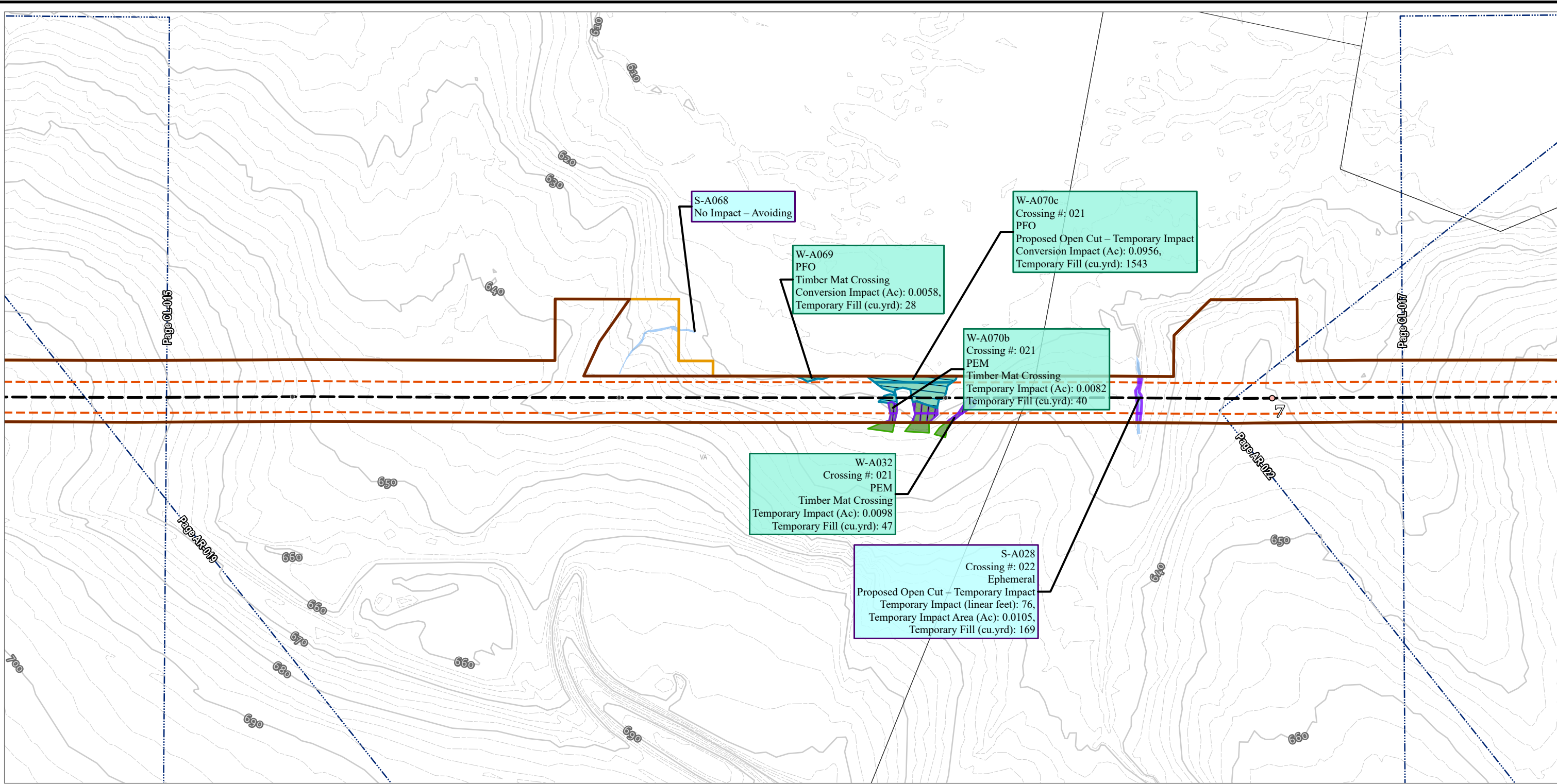


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| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| - - - H-650 PIPELINE | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| - - - TEMPORARY ACCESS ROAD | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| TEMPORARY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

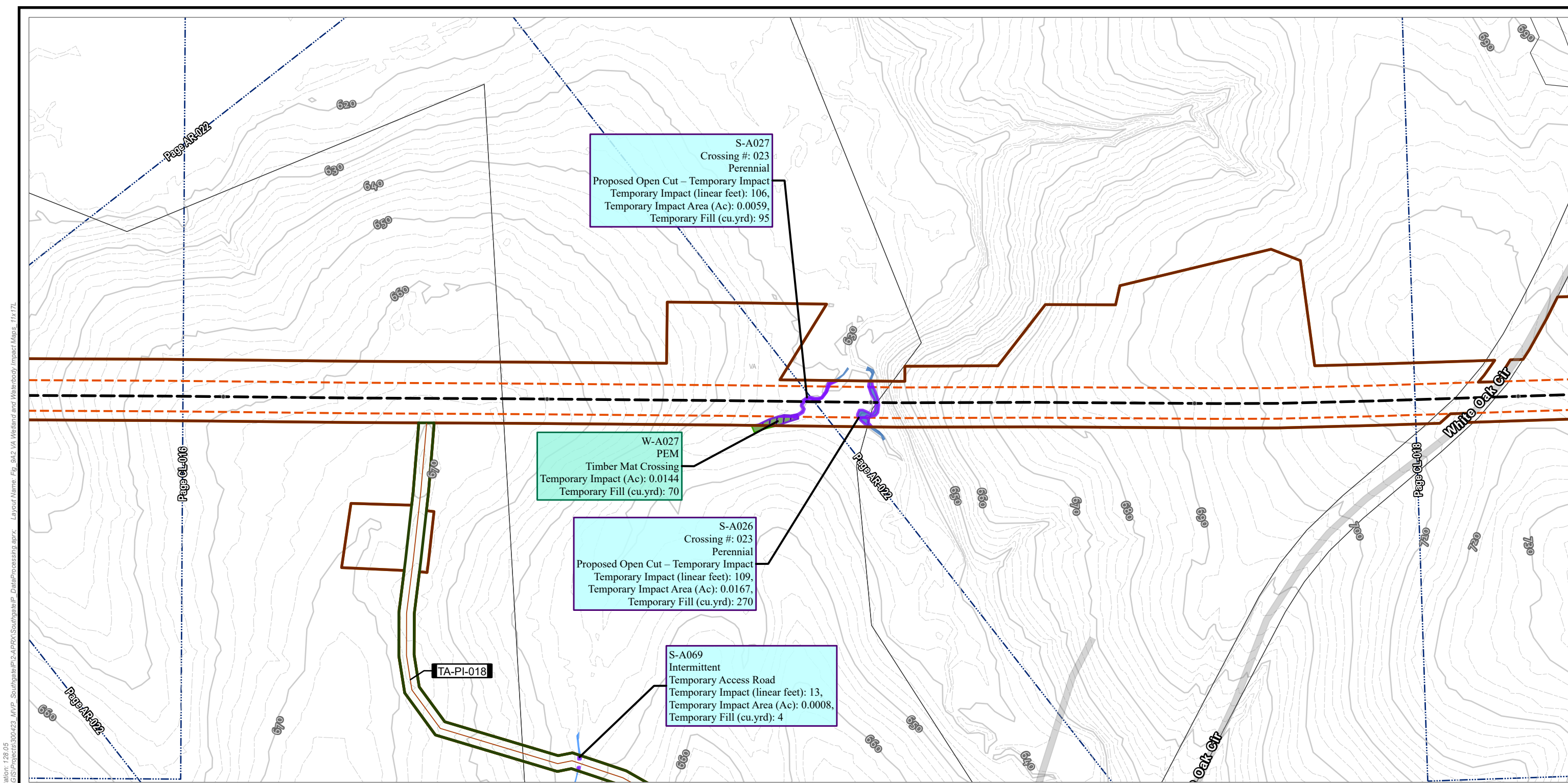


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
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APPROVED BY: M. TACKEL	
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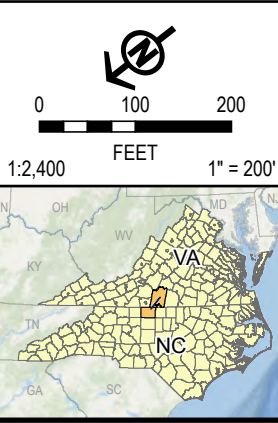
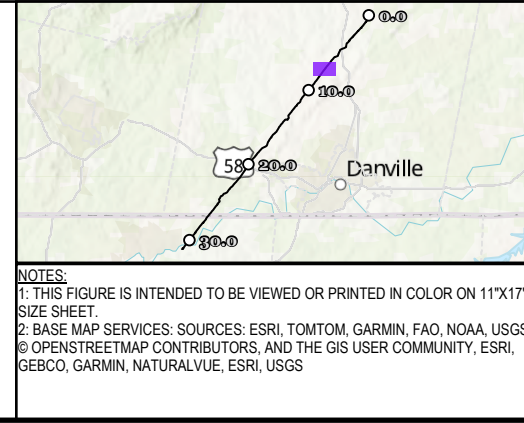
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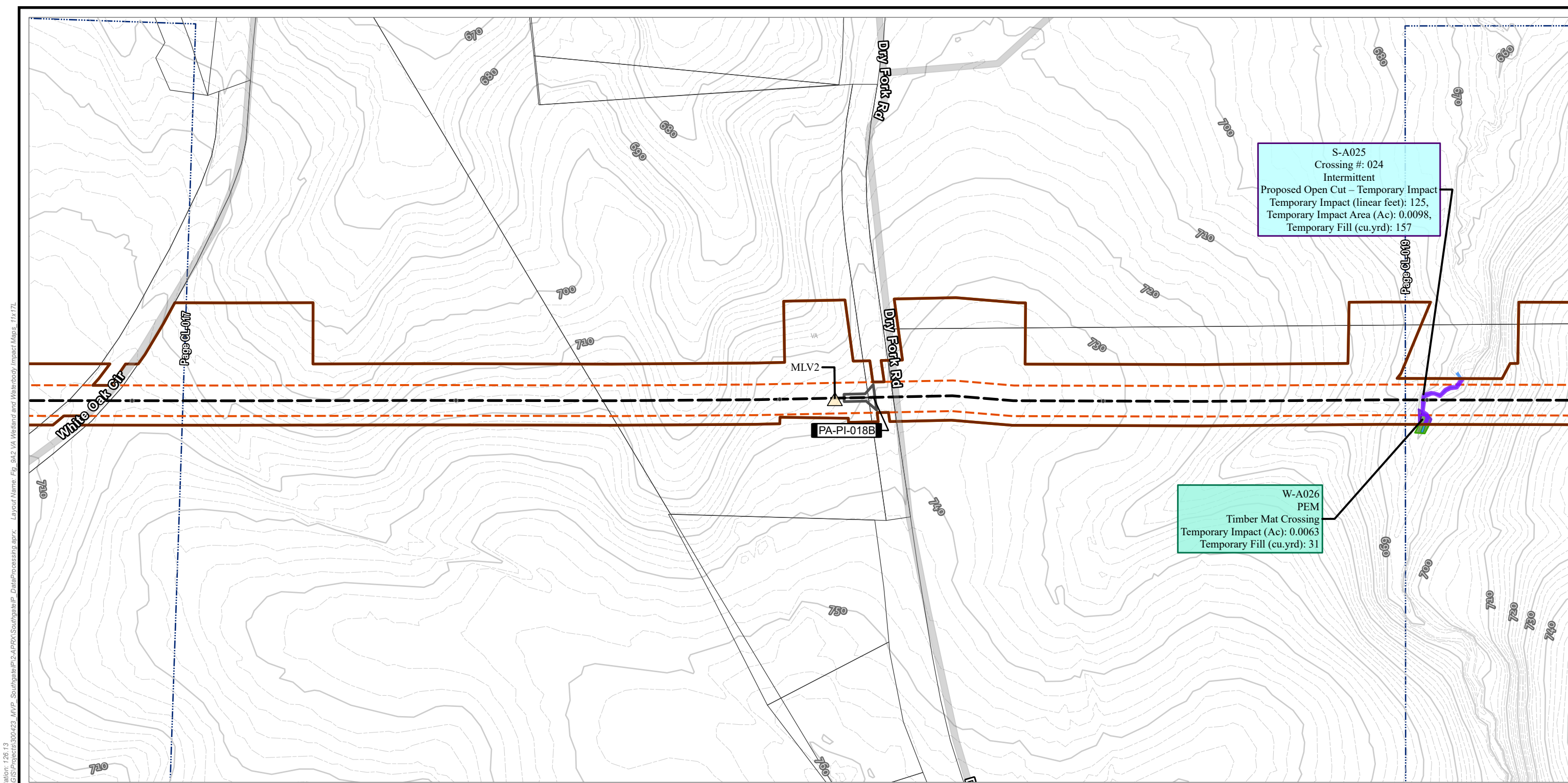
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CHECKED BY: A. HORRIE	PAGE: 16 CL-016										
APPROVED BY: M. TACKEL											
DATE: APRIL 2025											



- TENTH MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- STREAM IMPACT
 - TEMPORARY
 - INTERMITTENT SURFACE WATER
 - PERENNIAL SURFACE WATER
- WETLAND IMPACT
 - TEMPORARY
 - PALUSTRINE EMERGENT
- 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	
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CHECKED BY:	A. HORRIE	PAGE: 17 CL-017	
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- TENTH MILE POST
- MAIN LINE VALVE
- H-650 PIPELINE
- PERMANENT ACCESS ROAD
- PERMANENT ACCESS ROAD

- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- STREAM IMPACT
- TEMPORARY
- INTERMITTENT SURFACE WATER
- WETLAND IMPACT
- TEMPORARY
- PALUSTRINE EMERGENT

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

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1:2,400 FEET 1" = 200'

PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia

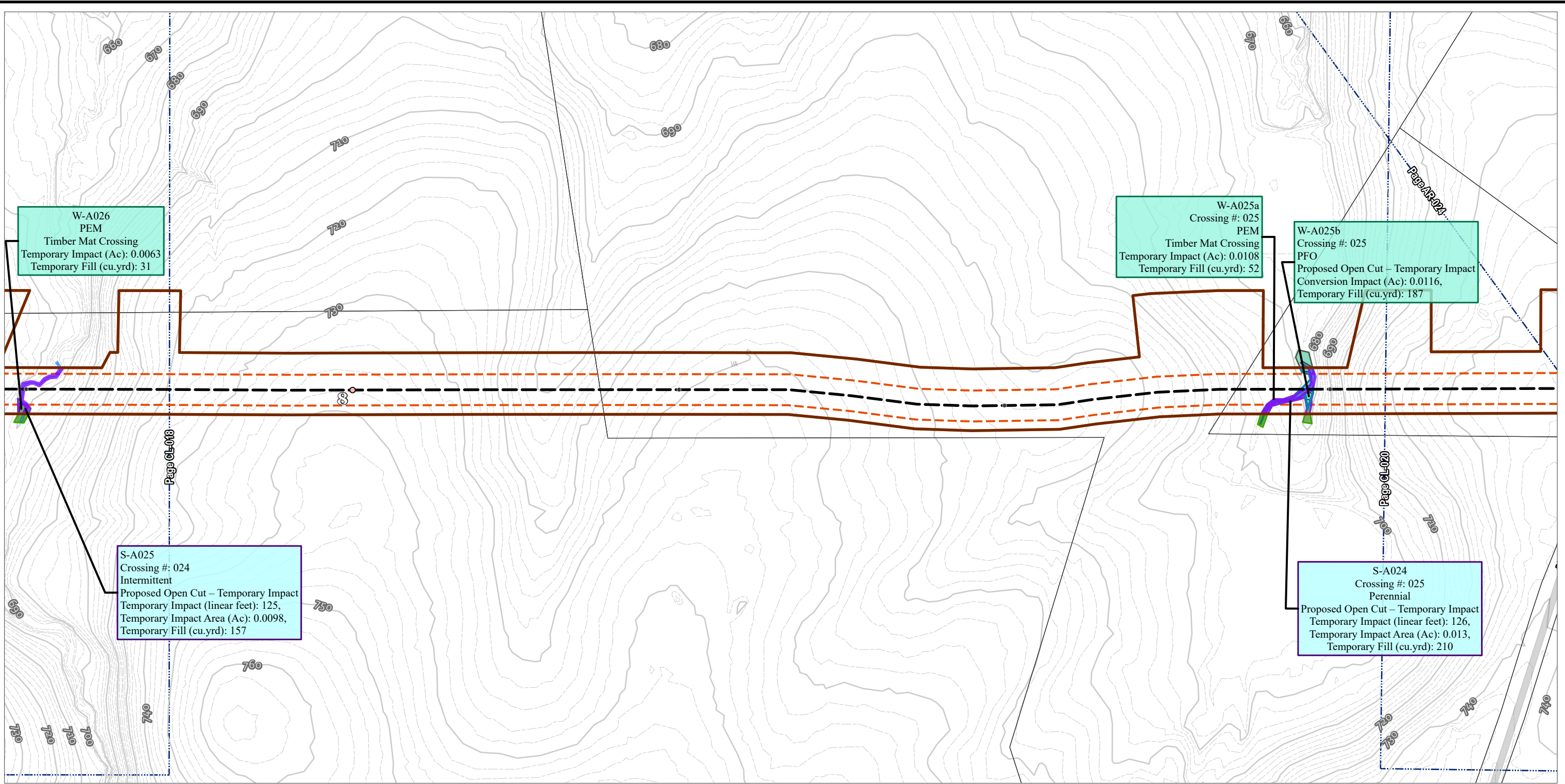
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VA WETLAND AND WATERBODY IMPACT

DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 18 CL-018
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	

10007 E 59TH STREET
TULSA, OK 74146
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TENTH MILE POST

MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:

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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

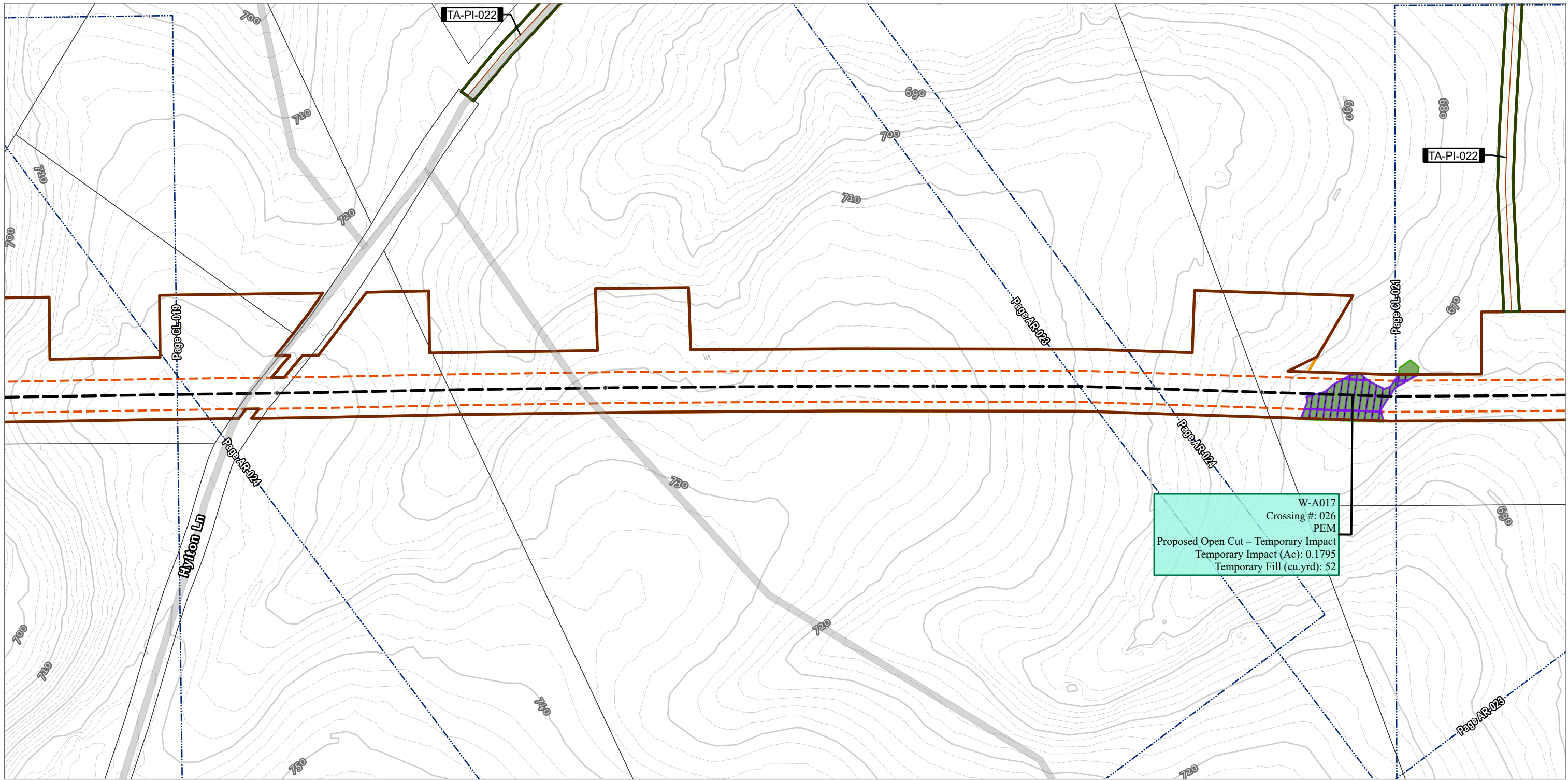
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PAGE: 19
CL-019

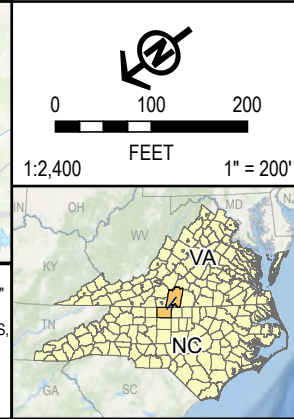
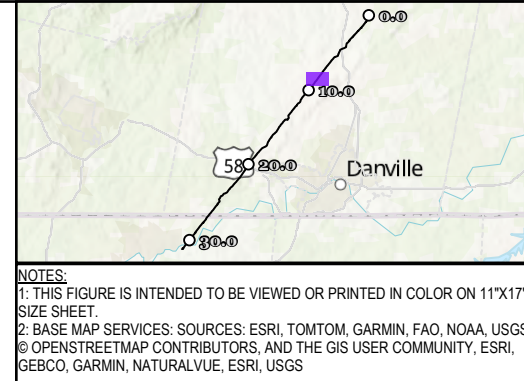
10007 E 59TH STREET
TULSA, OK 74146
PHONE: 918.496.0400

FILE: SOUTHGATEIP_DATAPROCESSING.APRX

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere; Map Rotation: 126.62
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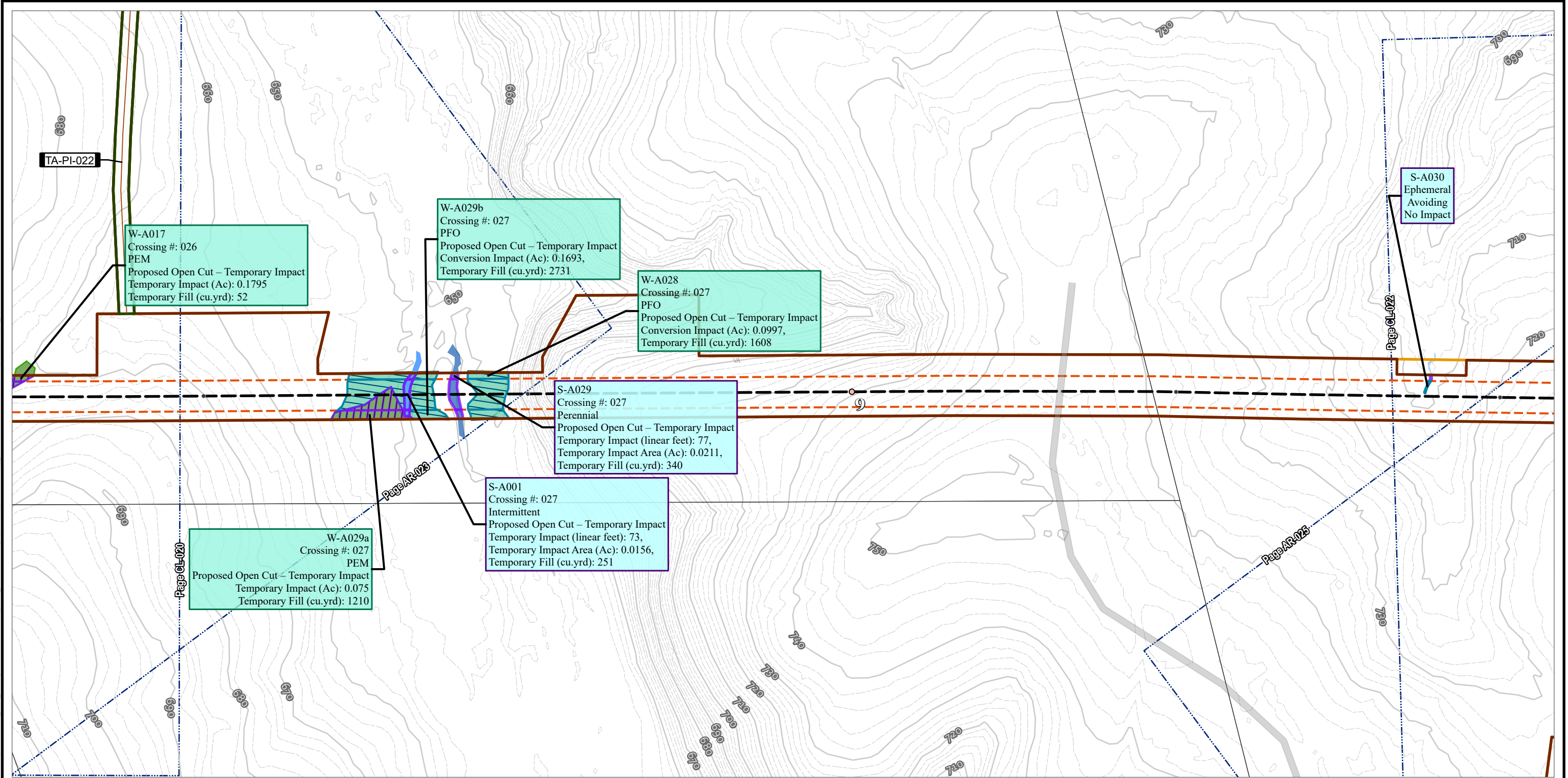


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|---------------------------|----------------------------------|------------------------------------|
| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| --- H-650 PIPELINE | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE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



PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia		
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT		
DRAWN BY: J. THOMAS	PROJ. NO.: 300423	PAGE: 20 CL-020
CHECKED BY: A. HORRIE		
APPROVED BY: M. TACKEL		
DATE: APRIL 2025		
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FILE: SOUTHGATEIP_DATAPROCESSING.APRX		

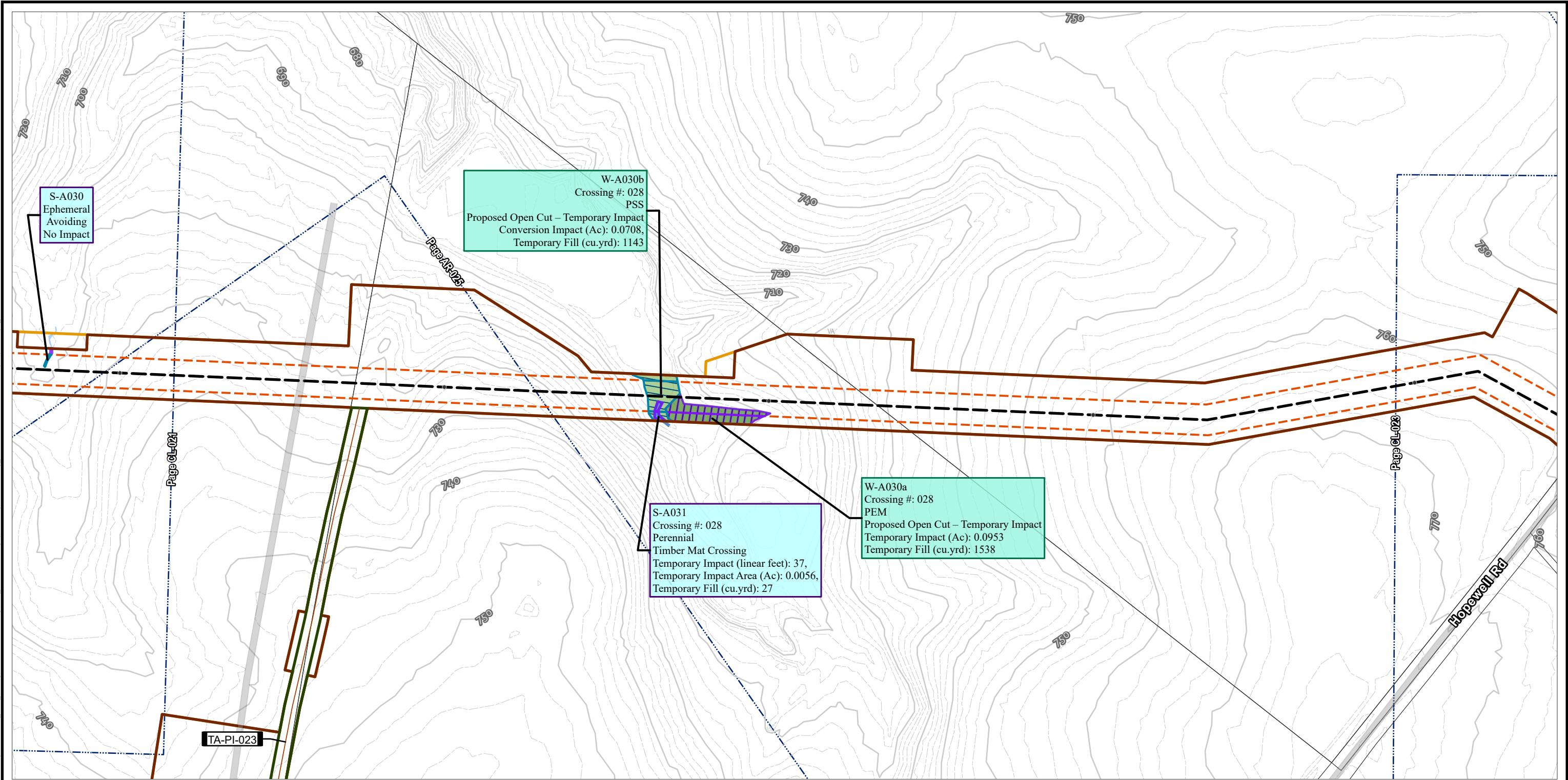
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- TENTH MILE POST - MILE POST - H-650 PIPELINE - TEMPORARY ACCESS ROAD - TEMPORARY ACCESS ROAD			- OPERATIONAL WORKSPACE - SURVEY AREA - LIMITS OF CONSTRUCTION WORKSPACE - STREAM IMPACT - TEMPORARY - PERMANENT - EPHEMERAL SURFACE WATER - INTERMITTENT SURFACE WATER - PERENNIAL SURFACE WATER - WETLAND IMPACT - TEMPORARY	- PALUSTRINE FORESTED - 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 <table border="1"><tr><td>DRAWN BY: J. THOMAS</td><td>PROJ. NO.: 300423</td></tr><tr><td>CHECKED BY: A. HORRIE</td><td rowspan="3">PAGE: 21 CL-021</td></tr><tr><td>APPROVED BY: M. TACKEL</td></tr><tr><td>DATE: APRIL 2025</td></tr></table> 10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400 FILE: SOUTHGATEIP_DATAPROCESSING.APRX		DRAWN BY: J. THOMAS	PROJ. NO.: 300423	CHECKED BY: A. HORRIE	PAGE: 21 CL-021	APPROVED BY: M. TACKEL	DATE: APRIL 2025
DRAWN BY: J. THOMAS	PROJ. NO.: 300423												
CHECKED BY: A. HORRIE	PAGE: 21 CL-021												
APPROVED BY: M. TACKEL													
DATE: APRIL 2025													

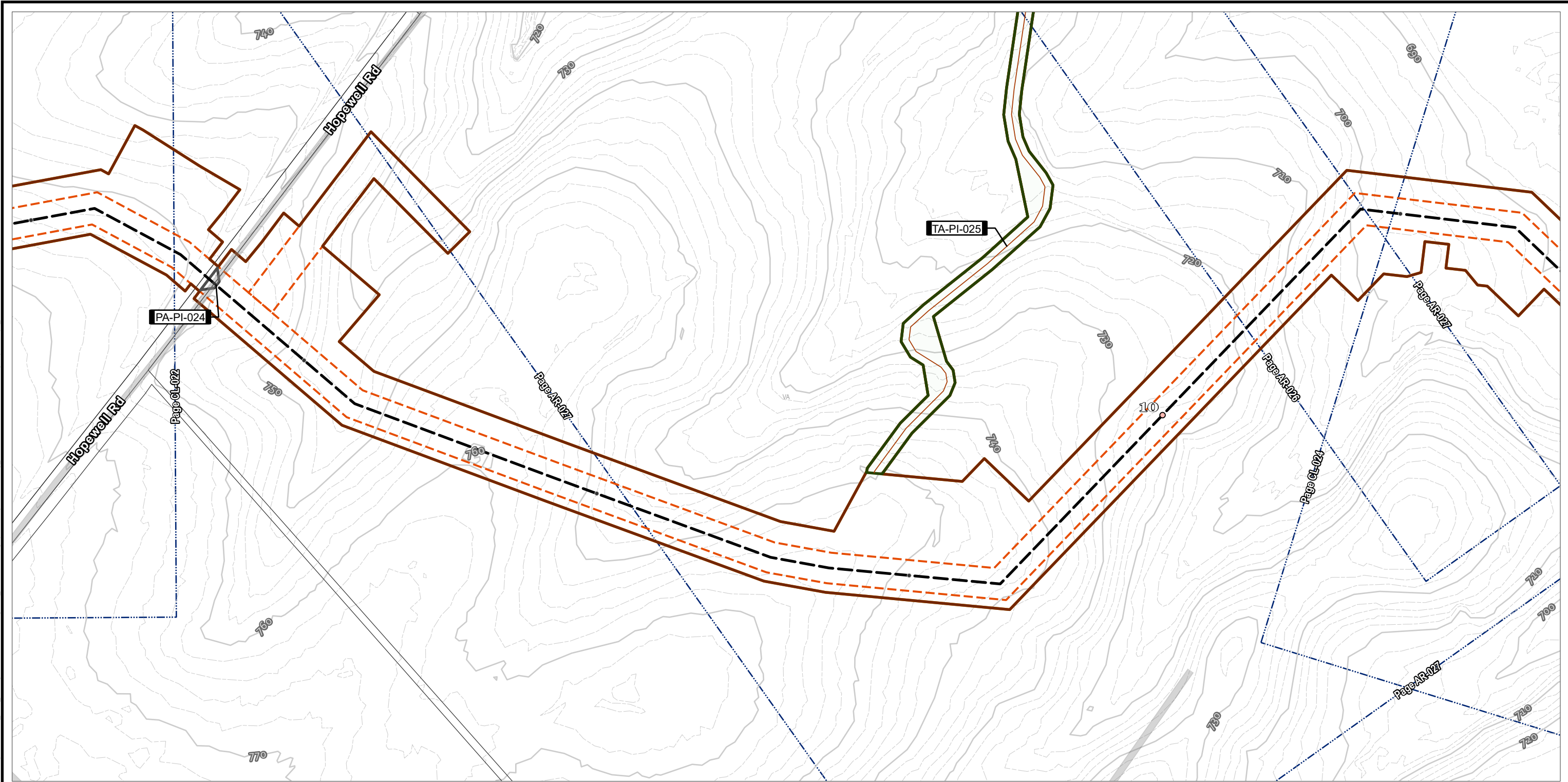
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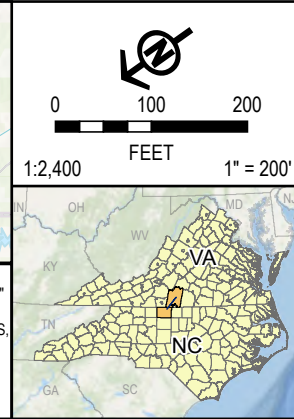
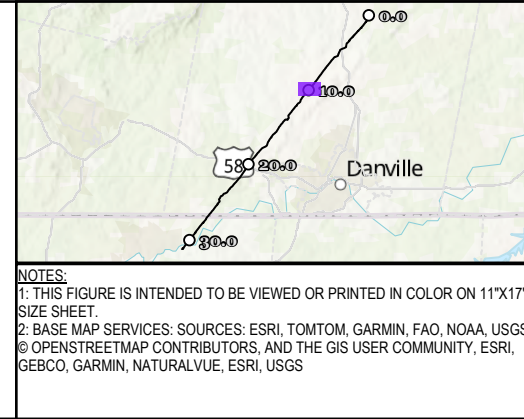


- TENTH MILE POST - H-650 PIPELINE - TEMPORARY ACCESS ROAD - TEMPORARY ACCESS ROAD	- OPERATIONAL WORKSPACE - SURVEY AREA - LIMITS OF CONSTRUCTION WORKSPACE - STREAM IMPACT - TEMPORARY - PERMANENT - EPHEMERAL SURFACE WATER - PERENNIAL SURFACE WATER - WETLAND IMPACT - TEMPORARY - CONVERSION	- PALUSTRINE SCRUB-SHRUB - 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 1:2,400 1" = 200'	PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT <table><tr><td>DRAWN BY: J. THOMAS</td><td>PROJ. NO.: 300423</td></tr><tr><td>CHECKED BY: A. HORRIE</td><td rowspan="2">PAGE: 22 CL-022</td></tr><tr><td>APPROVED BY: M. TACKEL</td></tr><tr><td>DATE: APRIL 2025</td><td></td></tr></table> 10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400 FILE: SOUTHGATEIP_DATAPROCESSING.APRX	DRAWN BY: J. THOMAS	PROJ. NO.: 300423	CHECKED BY: A. HORRIE	PAGE: 22 CL-022	APPROVED BY: M. TACKEL	DATE: APRIL 2025	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423											
CHECKED BY: A. HORRIE	PAGE: 22 CL-022											
APPROVED BY: M. TACKEL												
DATE: APRIL 2025												

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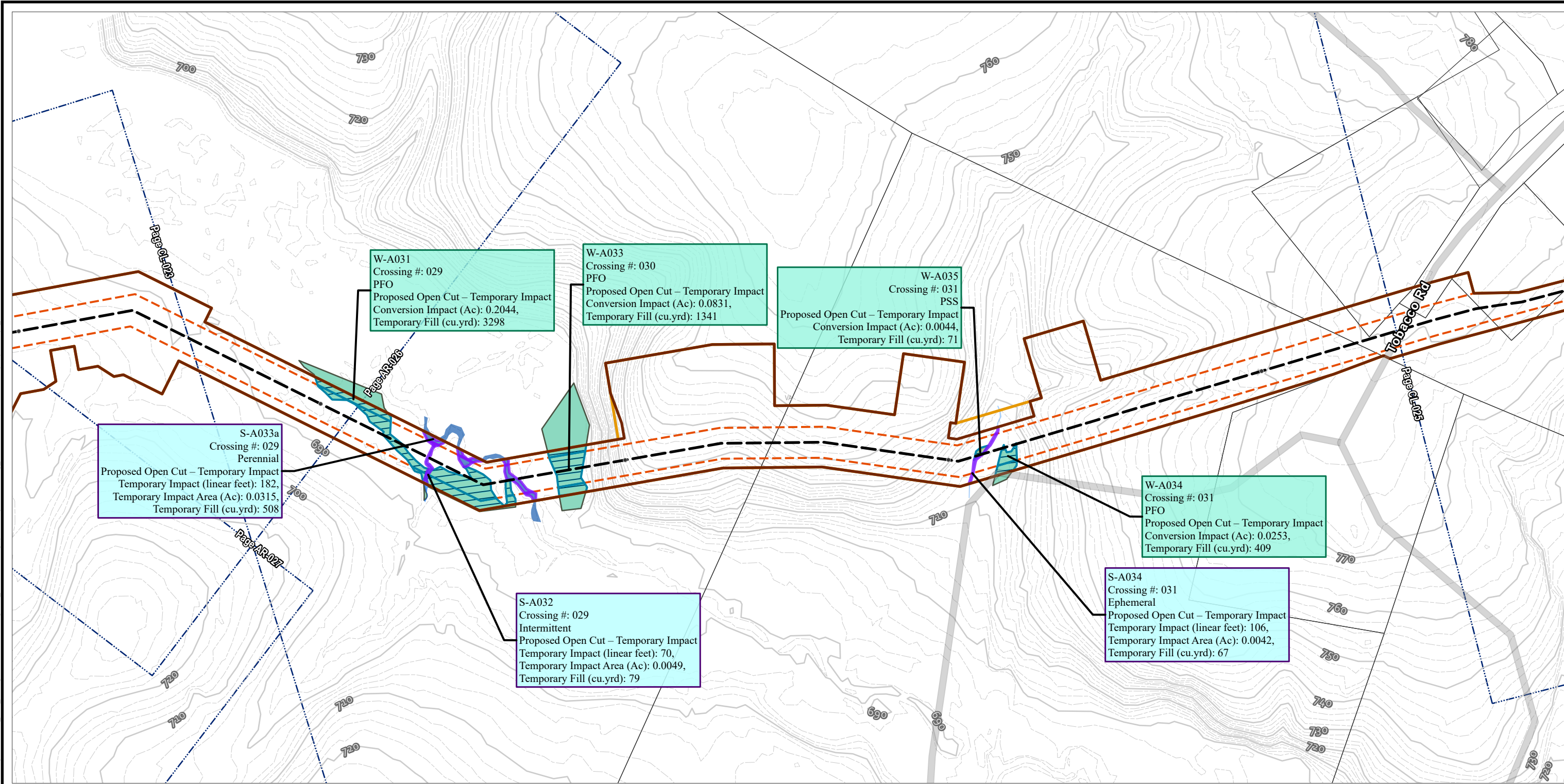


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|-------------------------|----------------------------------|------------------------------------|
| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| ○ MILE POST | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| --- H-650 PIPELINE | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| — PERMANENT ACCESS ROAD | | PARCEL BOUNDARY |
| — TEMPORARY ACCESS ROAD | | COUNTY BOUNDARY |
| TEMPORARY ACCESS ROAD | | |
| 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	PAGE: 23 CL-023
CHECKED BY: A. HORRIE		
APPROVED BY: M. TACKEL		
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TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

EPHEMERAL SURFACE WATER

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

CONVERSION

PALUSTRINE FORESTED

PALUSTRINE SCRUB-SHRUB

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

580

200

100

0

0

100

200

1:2,400

1" = 200'

NOTES:

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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: 24

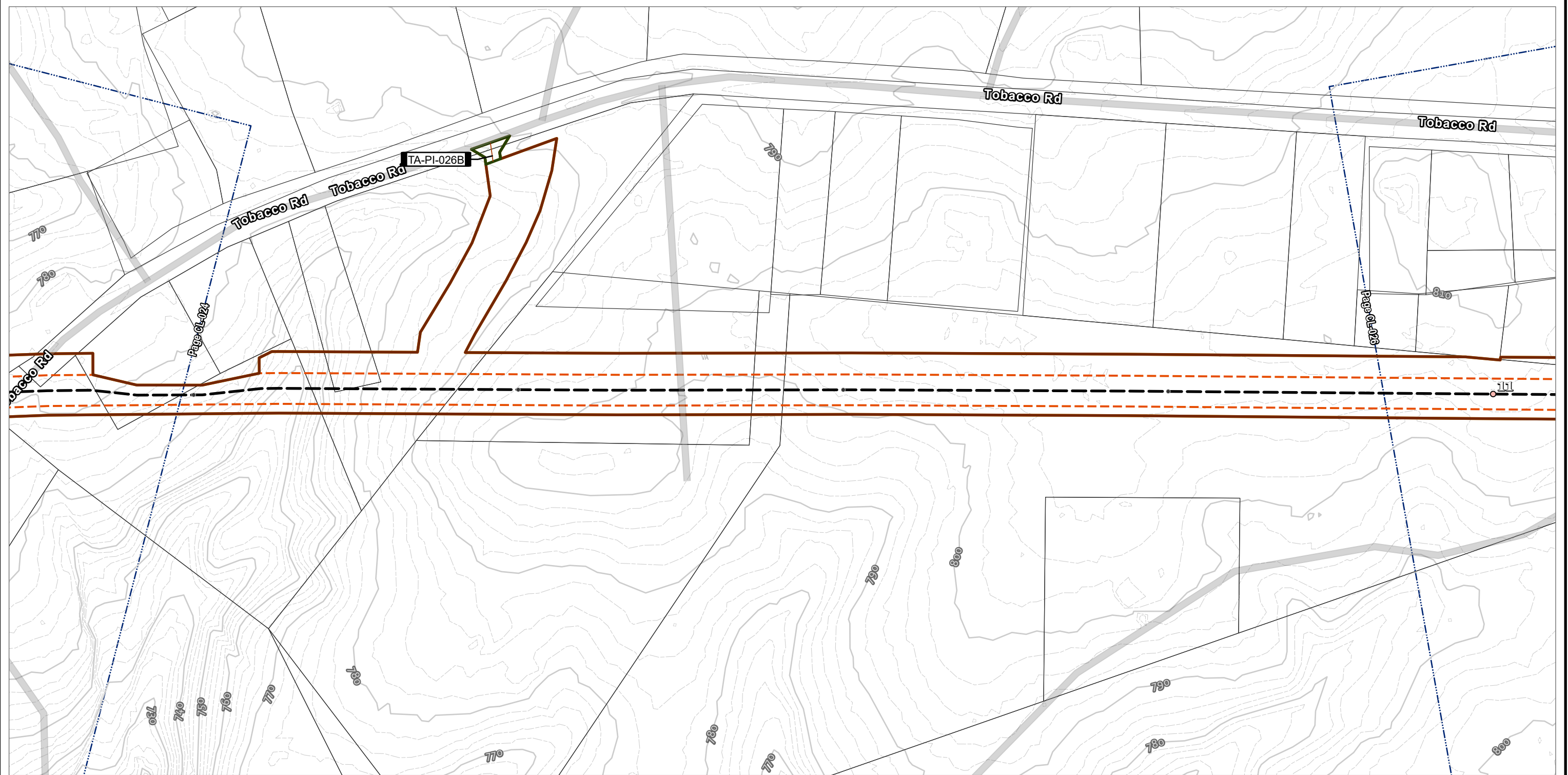
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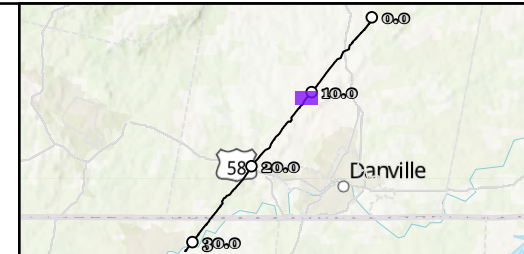
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TULSA, OK 74146
PHONE: 918.496.0400

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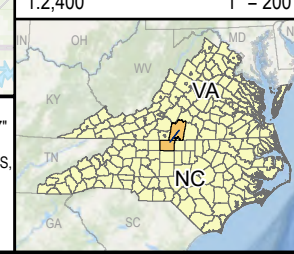
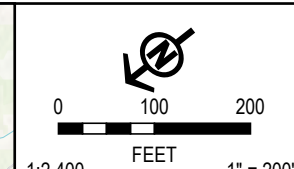
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|---|--|--|
| • TENTH MILE POST |  OPERATIONAL WORKSPACE |  ELEVATION - CONTOUR - INDEX |
| ○ MILE POST |  SURVEY AREA |  ELEVATION - CONTOUR - INTERMEDIATE |
| — H-650 PIPELINE |  LIMITS OF CONSTRUCTION WORKSPACE |  ADJACENT SHEET |
| — TEMPORARY ACCESS ROAD | |  PARCEL BOUNDARY |
|  TEMPORARY ACCESS ROAD | |  COUNTY BOUNDARY |

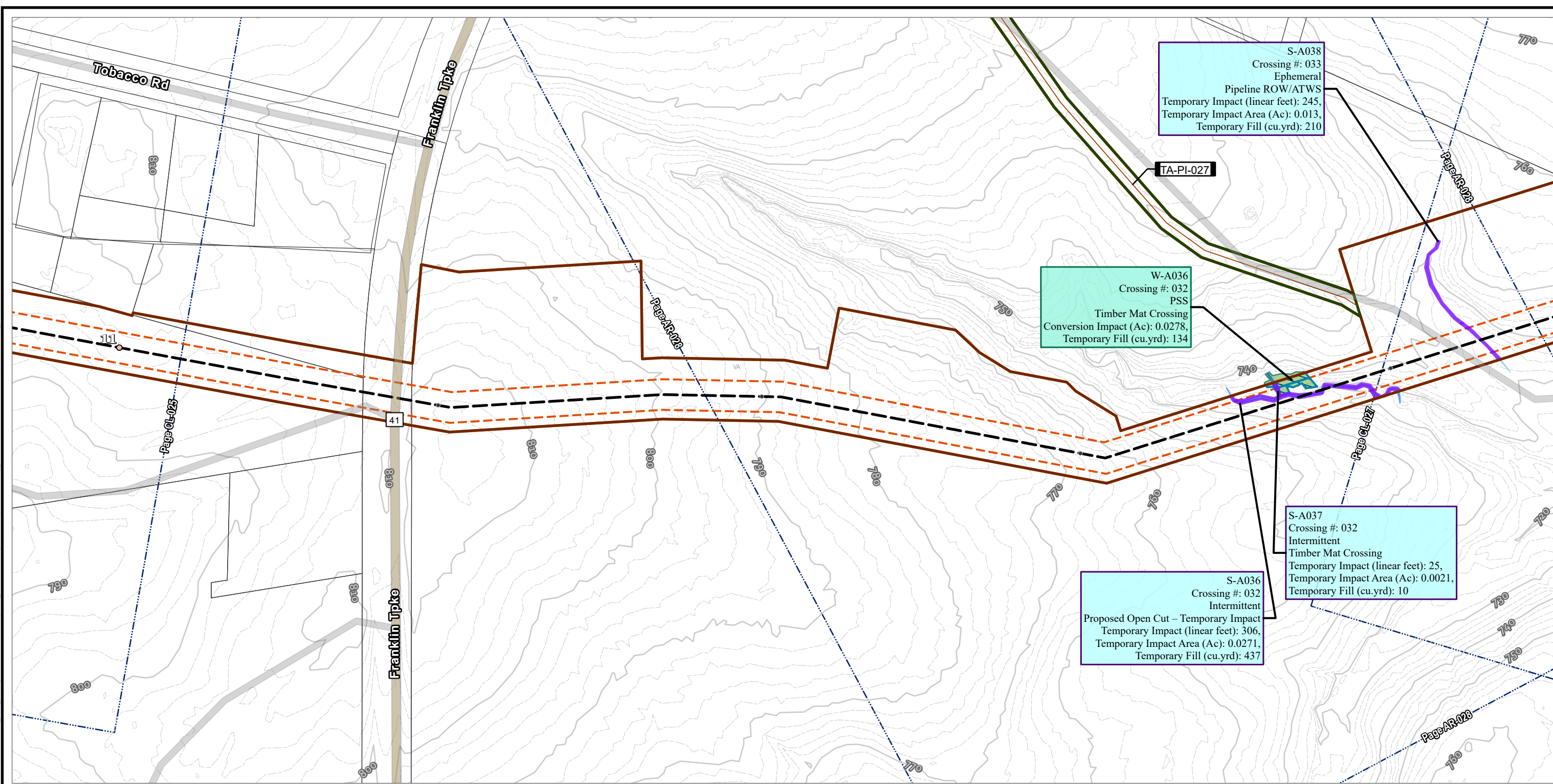


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PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 25 CL-025
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
 10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE:	SOUTHGATEIP_DATAPROCESSING.APRX

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TENTH MILE POST

MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

EPHEMERAL SURFACE WATER

INTERMITTENT SURFACE WATER

WETLAND IMPACT

CONVERSION

PALUSTRINE SCRUB-SHRUB

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:
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0

100

200

1:2,400

FEET

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

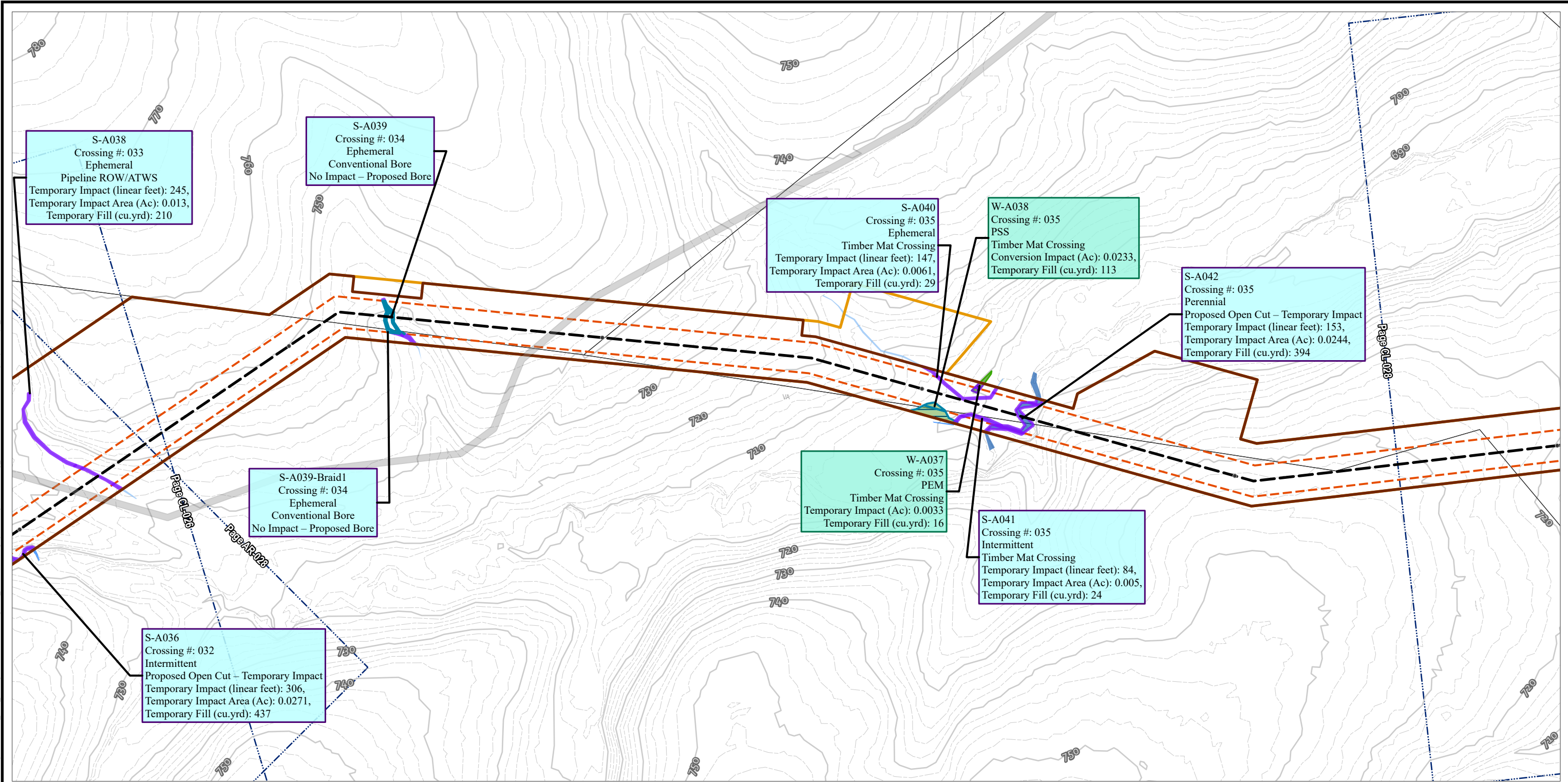
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PAGE: 26
CL-026

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TULSA, OK 74146
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TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERMANENT

EPHEMERAL SURFACE WATER

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

PALUSTRINE SCRUB-SHRUB

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:

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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

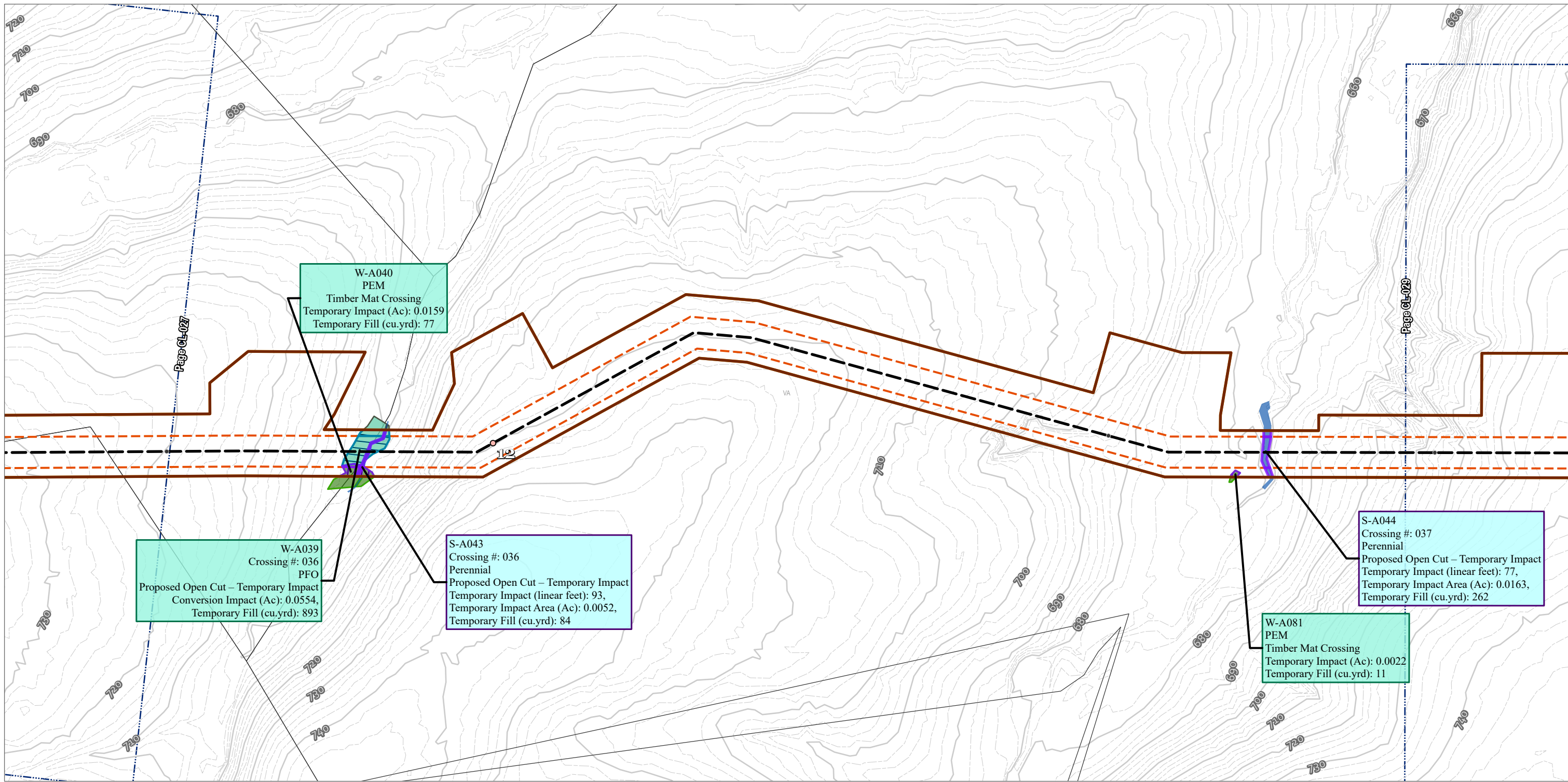
PROJ. NO.: 300423

PAGE: 27
CL-027

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TULSA, OK 74146
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- TENTH MILE POST - MILE POST - H-650 PIPELINE	- OPERATIONAL WORKSPACE - SURVEY AREA - LIMITS OF CONSTRUCTION WORKSPACE - STREAM IMPACT - TEMPORARY - PERENNIAL SURFACE WATER - 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	PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT <table><tr><td>DRAWN BY: J. THOMAS</td><td>PROJ. NO.: 300423</td></tr><tr><td>CHECKED BY: A. HORRIE</td><td rowspan="2">PAGE: 28 CL-028</td></tr><tr><td>APPROVED BY: M. TACKEL</td></tr><tr><td>DATE: APRIL 2025</td><td></td></tr></table> 10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400 FILE: SOUTHGATEIP_DATAPROCESSING.APRX	DRAWN BY: J. THOMAS	PROJ. NO.: 300423	CHECKED BY: A. HORRIE	PAGE: 28 CL-028	APPROVED BY: M. TACKEL	DATE: APRIL 2025	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423										
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DATE: APRIL 2025											

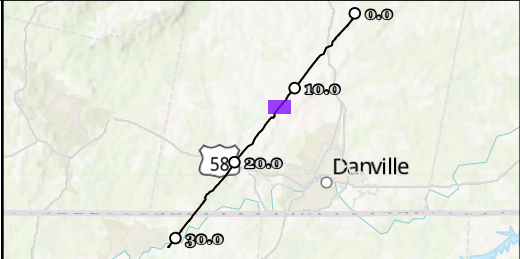
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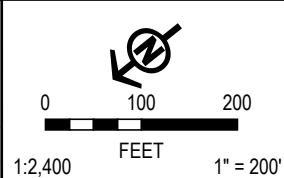
- TENTH MILE POST
- H-650 PIPELINE

- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE

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

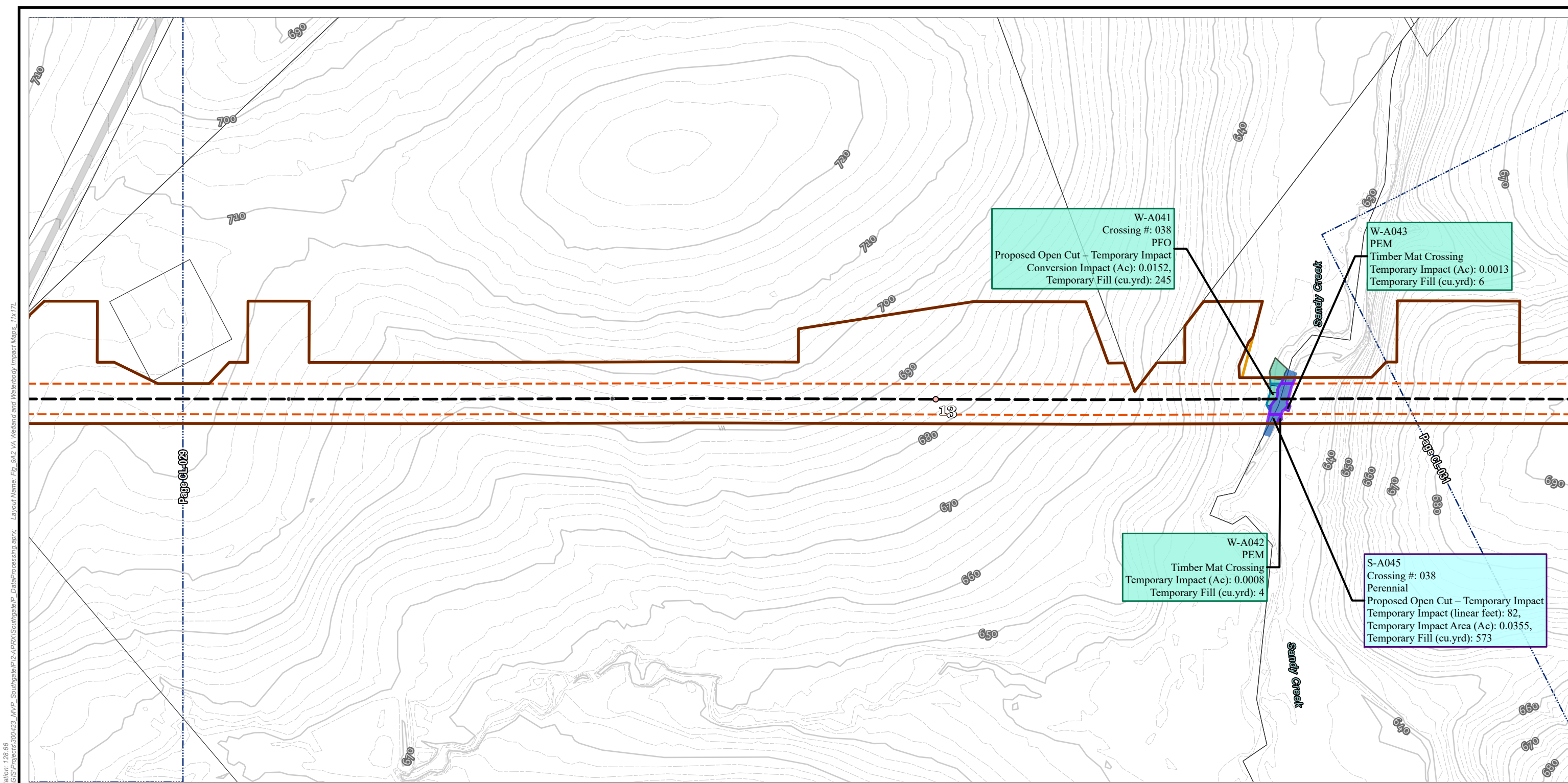


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PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia		
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT		
DRAWN BY: J. THOMAS	PROJ. NO.: 300423	PAGE: 29 CL-029
CHECKED BY: A. HORRIE	DATE: APRIL 2025	
APPROVED BY: M. TACKEL		
FILE: SOUTHGATEIP_DATAPROCESSING.APRX		
		10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400





TENTH MILE POST

MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

W-A041

Crossing #: 038

PFO

Proposed Open Cut – Temporary Impact

Conversion Impact (Ac): 0.0152,

Temporary Fill (cu.yrd): 245

W-A042

PEM

Timber Mat Crossing

Temporary Impact (Ac): 0.0008

Temporary Fill (cu.yrd): 4

W-A043

PEM

Timber Mat Crossing

Temporary Impact (Ac): 0.0013

Temporary Fill (cu.yrd): 6

S-A045

Crossing #: 038

Perennial

Proposed Open Cut – Temporary Impact

Temporary Impact (linear feet): 82,

Temporary Impact Area (Ac): 0.0355,

Temporary Fill (cu.yrd): 573

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

1" = 200'

1:2,400

FEET

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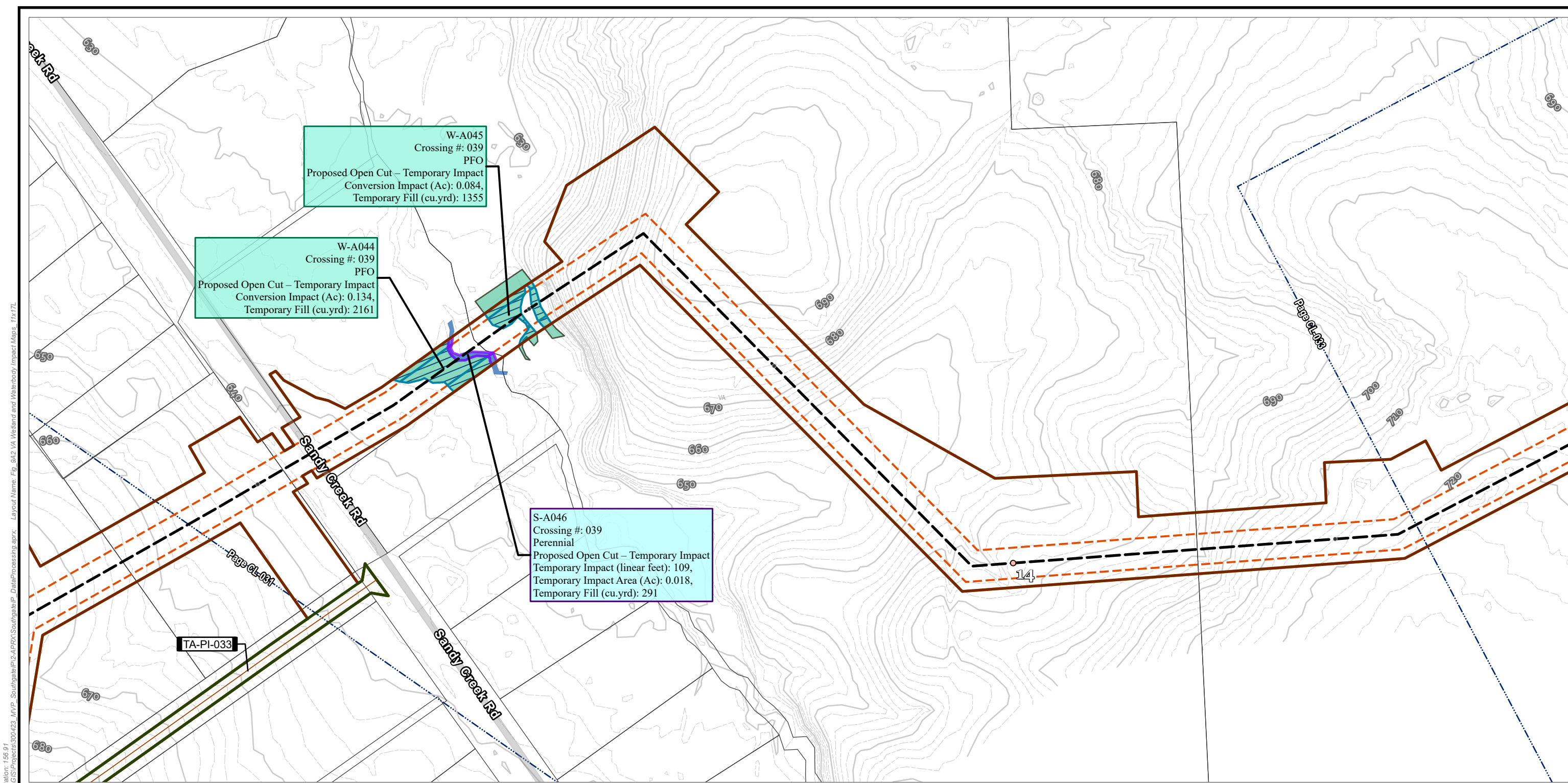
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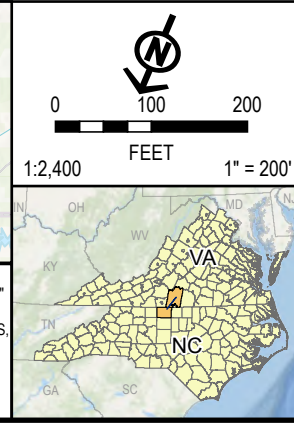
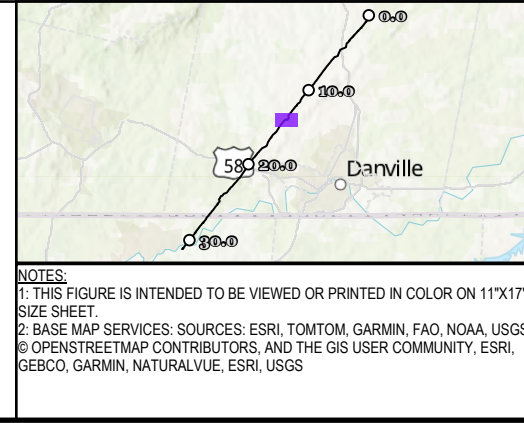
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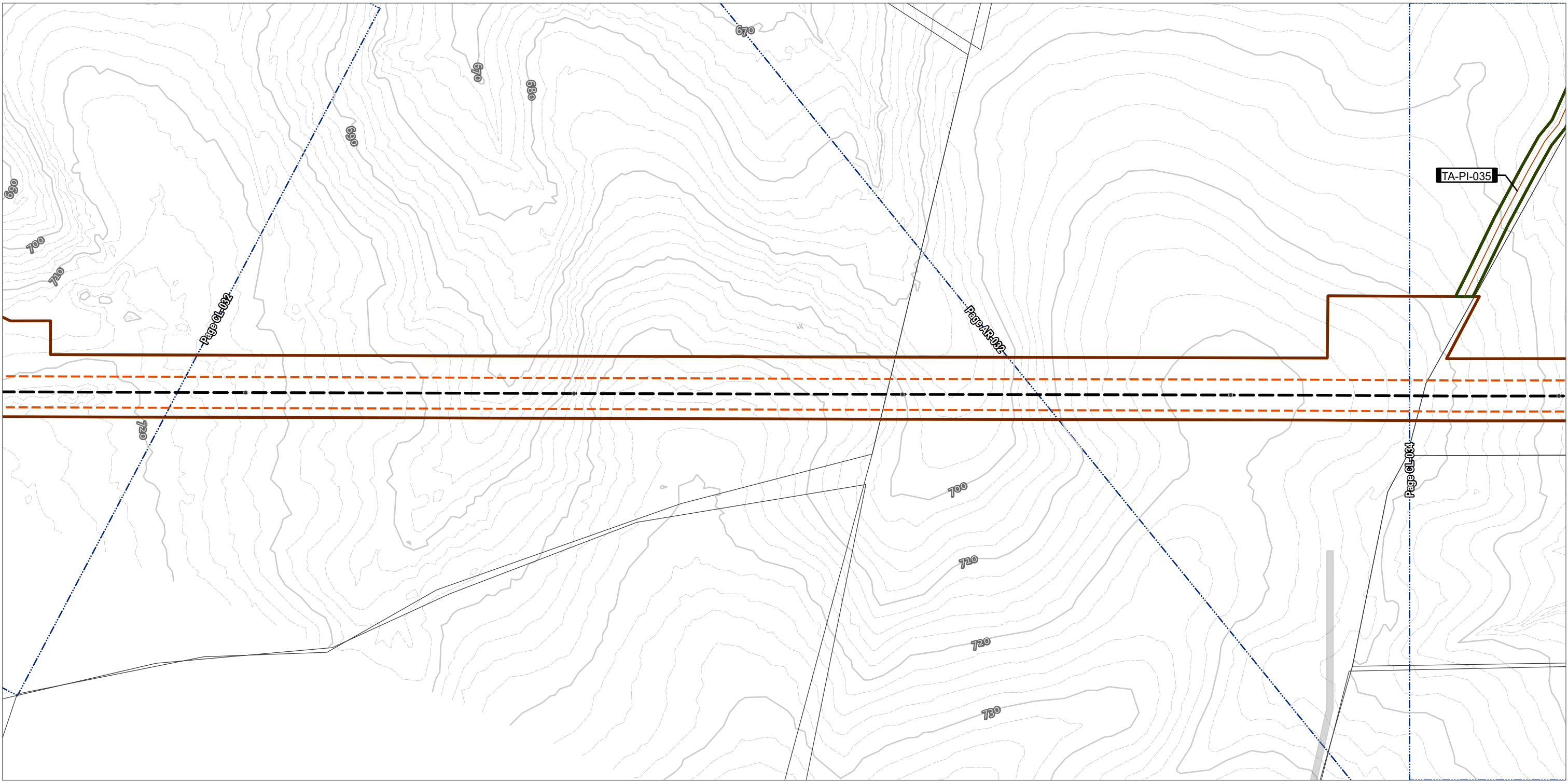
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 - TEMPORARY
 - PERENNIAL SURFACE WATER
- WETLAND IMPACT
 - CONVERSION
 - PALUSTRINE FORESTED
- ELEVATION - CONTOUR - INDEX
- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY



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: 32 CL-032
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: 156.91
-- 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: 129.07
-- 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



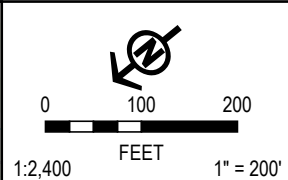
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- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE

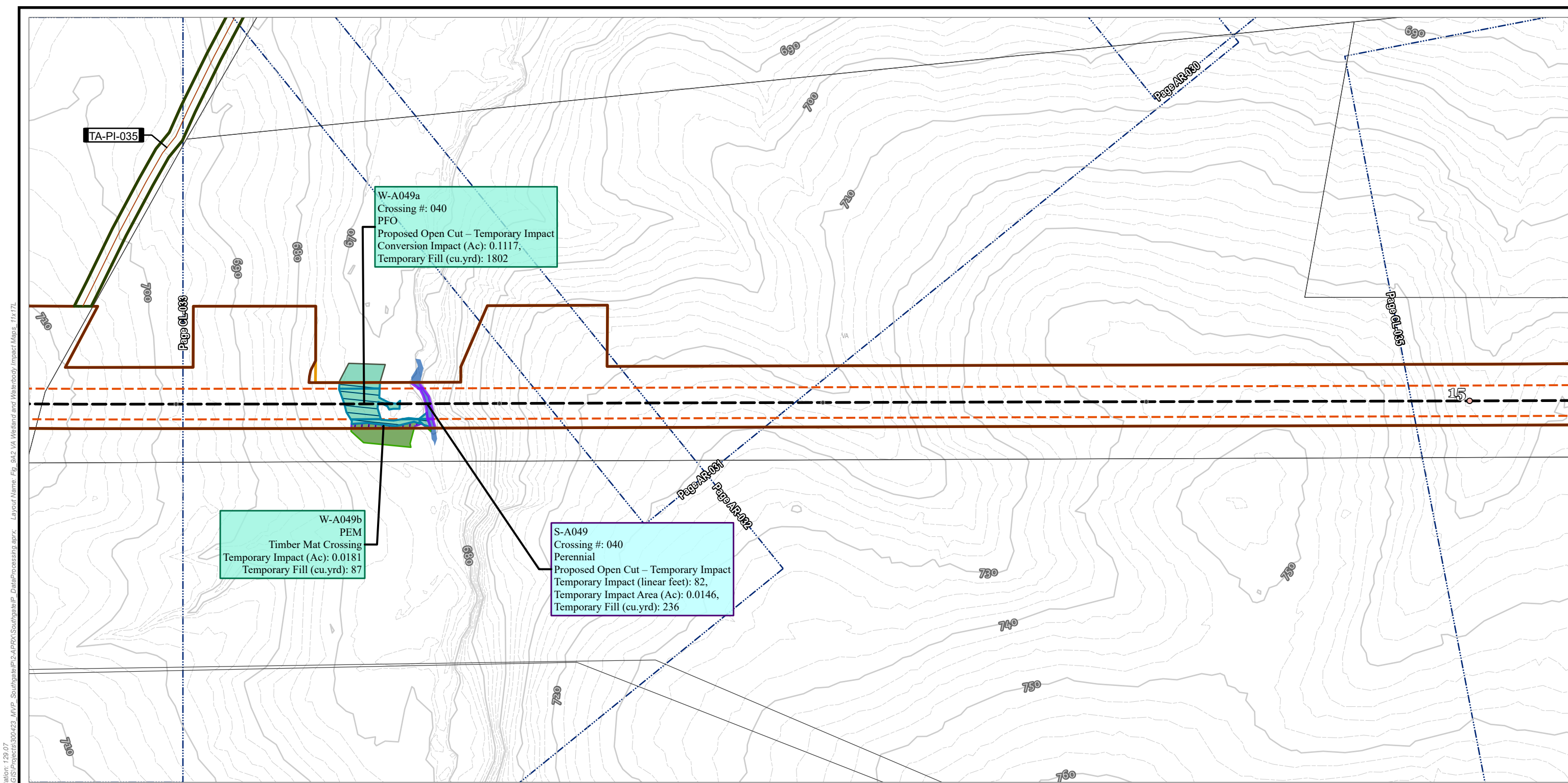
- ELEVATION - CONTOUR - INDEX
- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY



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



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: 33 CL-033	
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: 129.07
-- 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
- MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD

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SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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81500

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81800

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82400

82500

82600

82700

82800

82900

83000

83100

83200

83300

83400

83500

83600

83700

83800

83900

84000

84100

84200

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99200

99300

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99500

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99700

99800

99900

100000

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

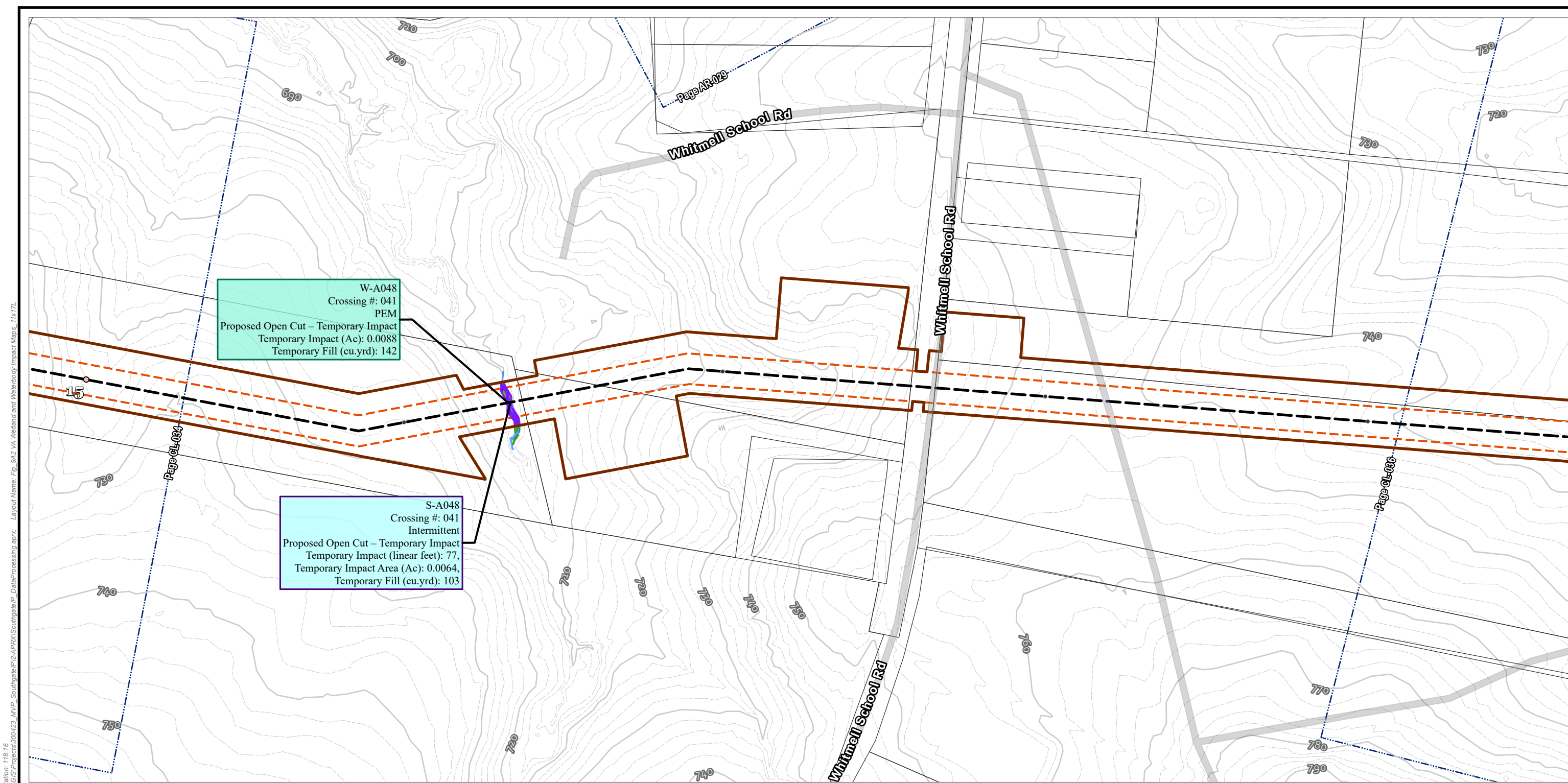
DATE: APRIL 2025

PROJ. NO.: 300423

PAGE: 34
CL-034

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

FILE: SOUTHGATEIP_DATAPROCESSING.APRX



TENTH MILE POST

MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

INTERMITTENT SURFACE WATER

WETLAND IMPACT

TEMPORARY

PALUSTRINE EMERGENT

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

0

100

200

FEET

1:2,400

1" = 200'

580

200

100

000

Danville

NOTES:

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

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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

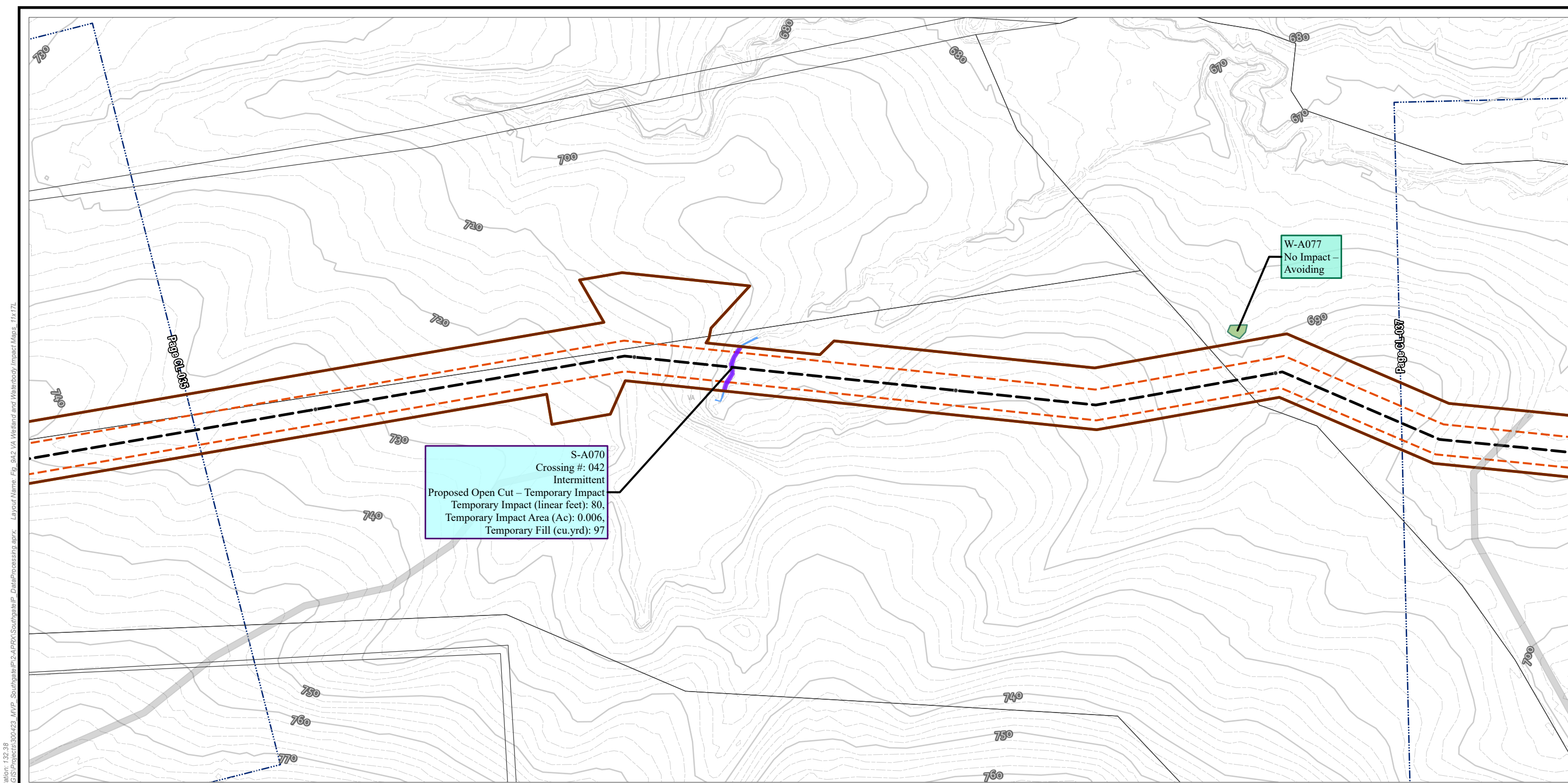
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TULSA, OK 74146
PHONE: 918.496.0400

FILE: SOUTHGATEIP_DATAPROCESSING.APRX

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TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

INTERMITTENT SURFACE WATER

PALUSTRINE SCRUB-SHRUB

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.

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0 100 200

FEET

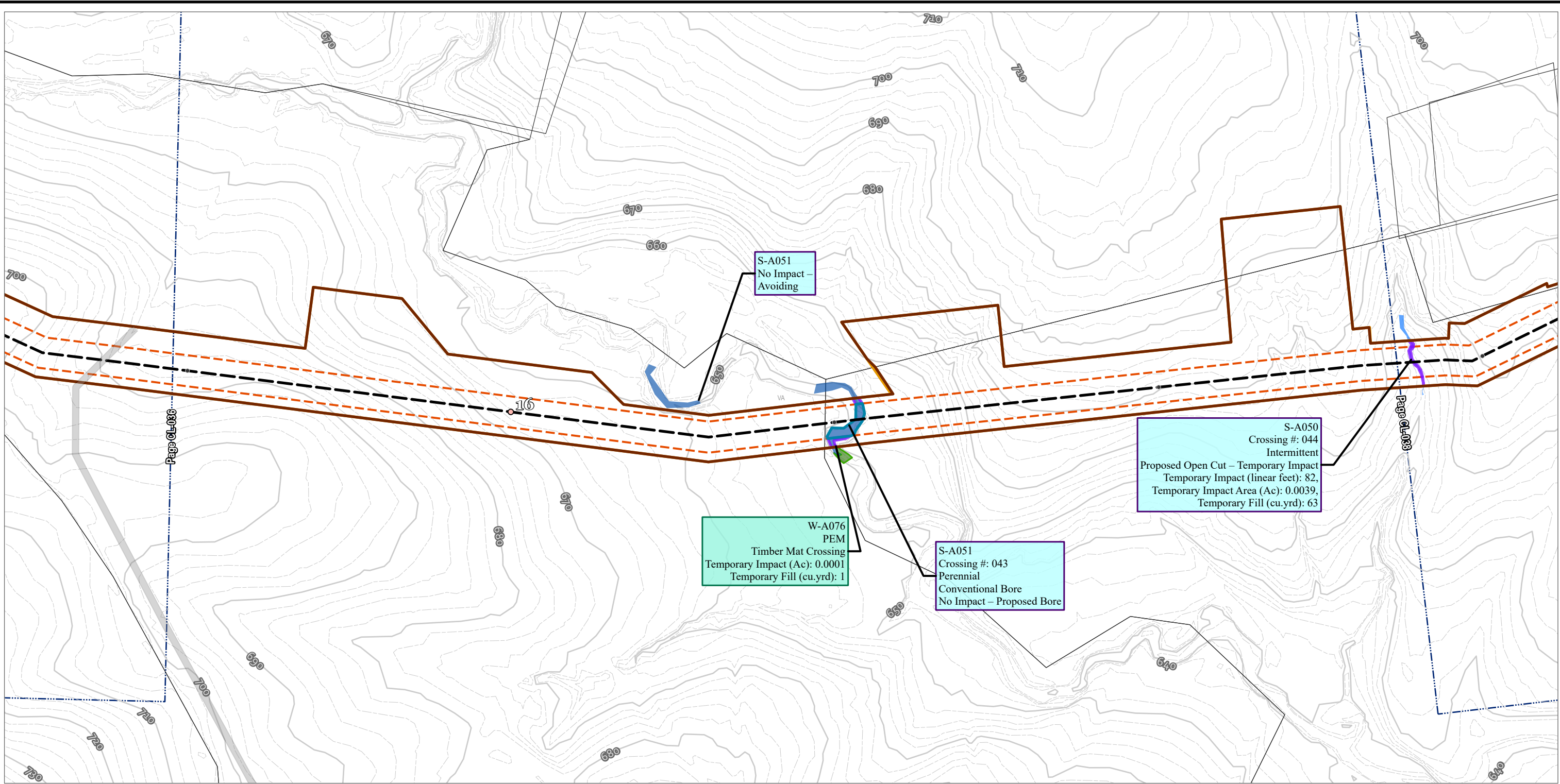
1:2,400

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: 36 CL-036
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: 132.38
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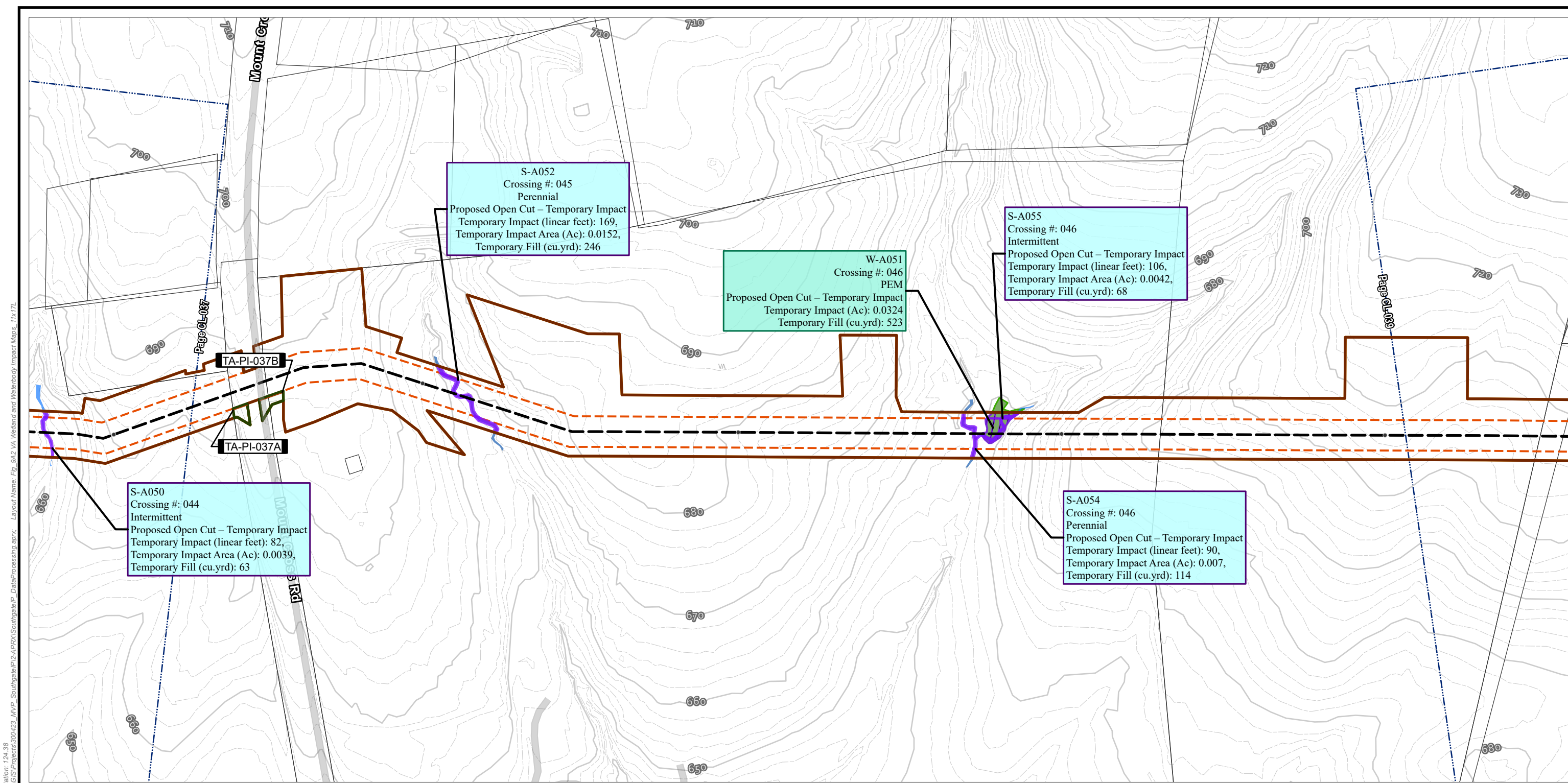


- TENTH MILE POST - MILE POST - H-650 PIPELINE	- OPERATIONAL WORKSPACE - SURVEY AREA - LIMITS OF CONSTRUCTION WORKSPACE - STREAM IMPACT - TEMPORARY - PERMANENT - INTERMITTENT SURFACE WATER - PERENNIAL SURFACE WATER - WETLAND IMPACT - TEMPORARY - PALUSTRINE EMERGENT	- ELEVATION - CONTOUR - INDEX - ELEVATION - CONTOUR - INTERMEDIATE - ADJACENT SHEET - PARCEL BOUNDARY - COUNTY BOUNDARY
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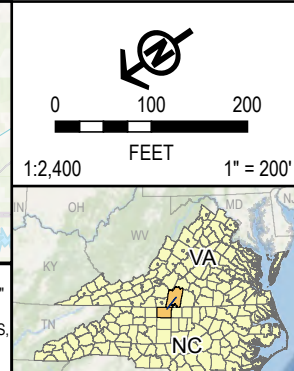
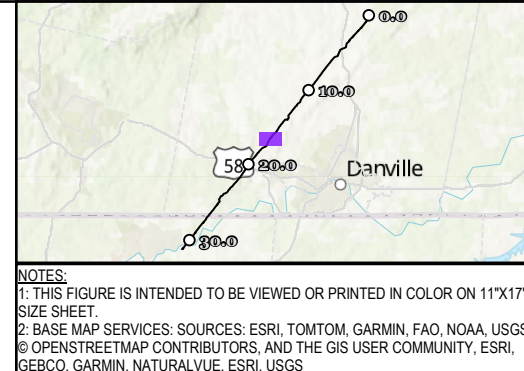
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0 100 200
FEET
1:2,400 1" = 200'

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: 37 CL-037
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE:	SOUTHGATEIP_DATAPROCESSING.APRX



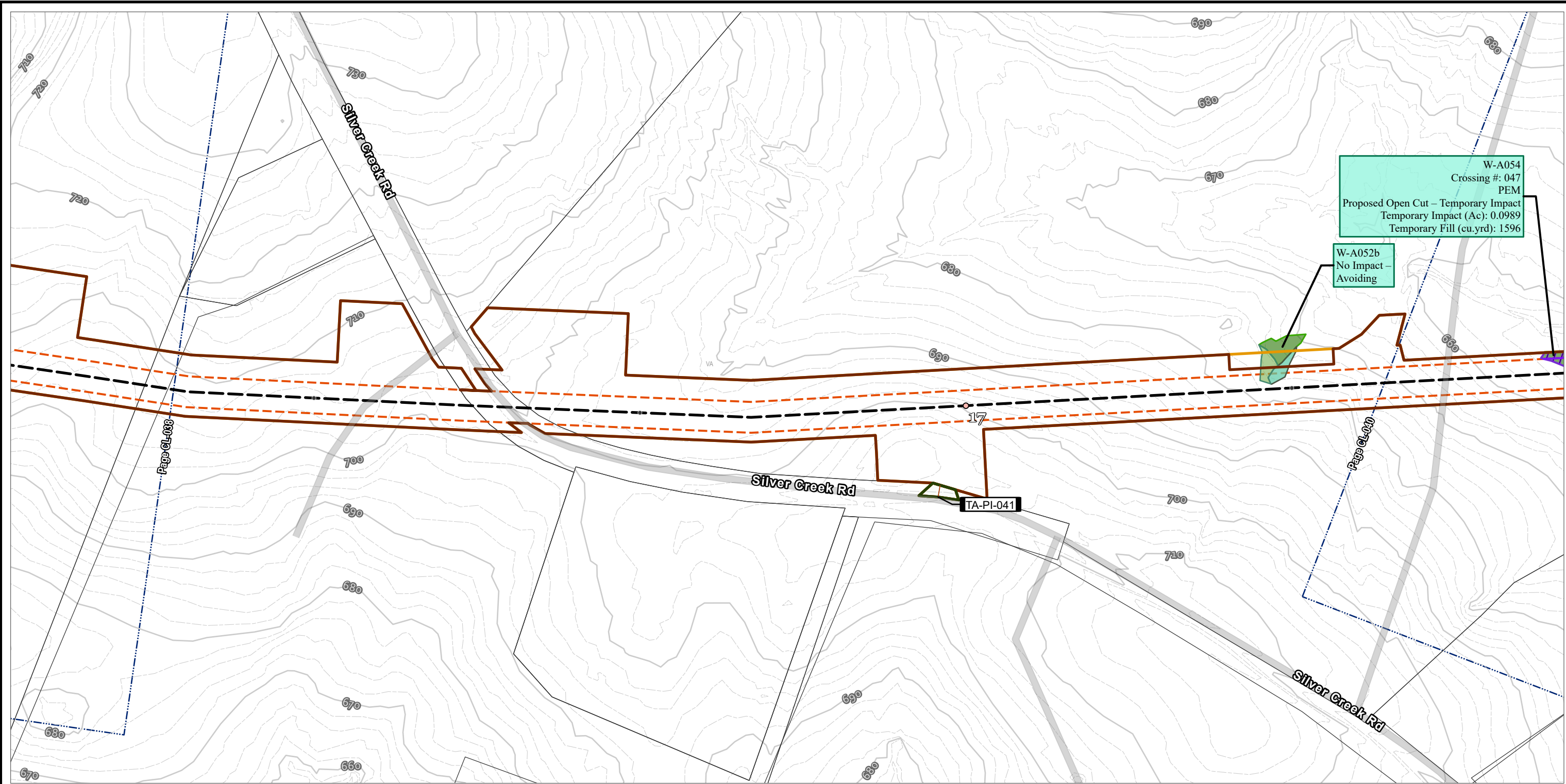
- TENTH MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- STREAM IMPACT
 - TEMPORARY
 - INTERMITTENT SURFACE WATER
 - PERENNIAL SURFACE WATER
- WETLAND IMPACT
 - TEMPORARY
 - PALUSTRINE EMERGENT
- ELEVATION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



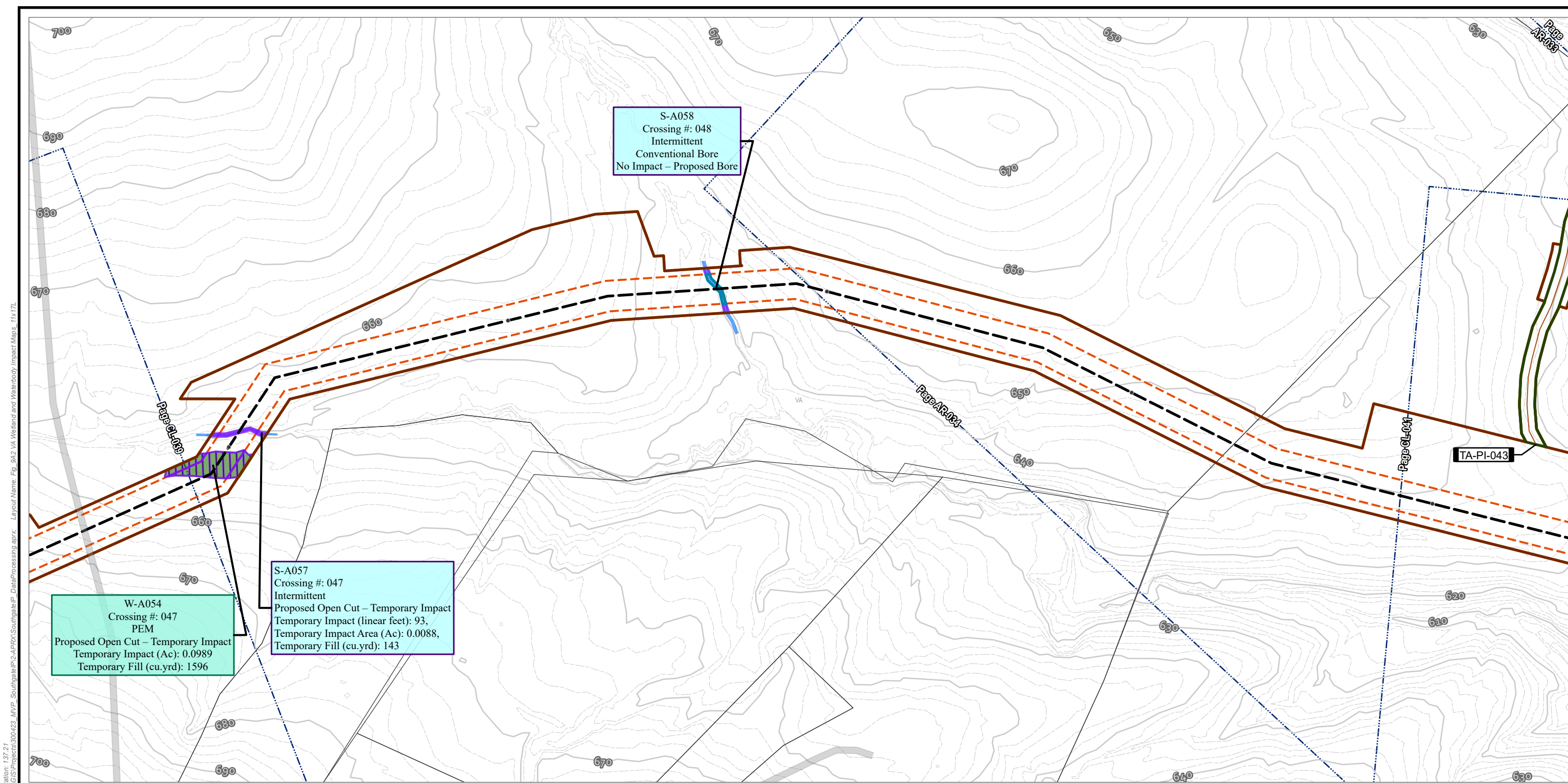
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TITLE:		FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY:	J. THOMAS	PROJ. NO.:	300423
CHECKED BY:	A. HORRIE	PAGE: 38 CL-038	
APPROVED BY:	M. TACKEL		
DATE:	APRIL 2025		
		10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE:		SOUTHGATEIP_DATAPROCESSING.APRX	

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- TENTH MILE POST - MILE POST - H-650 PIPELINE - TEMPORARY ACCESS ROAD - TEMPORARY ACCESS ROAD	- OPERATIONAL WORKSPACE - SURVEY AREA - LIMITS OF CONSTRUCTION WORKSPACE - WETLAND IMPACT - TEMPORARY - PALUSTRINE EMERGENT - PALUSTRINE FORESTED - PALUSTRINE SCRUB-SHRUB	- 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 1:2,400 1" = 200'	<table><tr><td colspan="2">PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia</td></tr><tr><td colspan="2">TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT</td></tr><tr><td>DRAWN BY: J. THOMAS</td><td>PROJ. NO.: 300423</td></tr><tr><td>CHECKED BY: A. HORRIE</td><td rowspan="2">PAGE: 39 CL-039</td></tr><tr><td>APPROVED BY: M. TACKEL</td></tr><tr><td>DATE: APRIL 2025</td><td></td></tr><tr><td colspan="2"></td></tr><tr><td colspan="2">10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400</td></tr><tr><td>FILE:</td><td>SOUTHGATEIP_DATAPROCESSING.APRX</td></tr></table>	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: 39 CL-039	APPROVED BY: M. TACKEL	DATE: APRIL 2025				10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400		FILE:	SOUTHGATEIP_DATAPROCESSING.APRX
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: 39 CL-039																					
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

PERMANENT

INTERMITTENT SURFACE WATER

WETLAND IMPACT

TEMPORARY

PALUSTRINE EMERGENT

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

NOTES:

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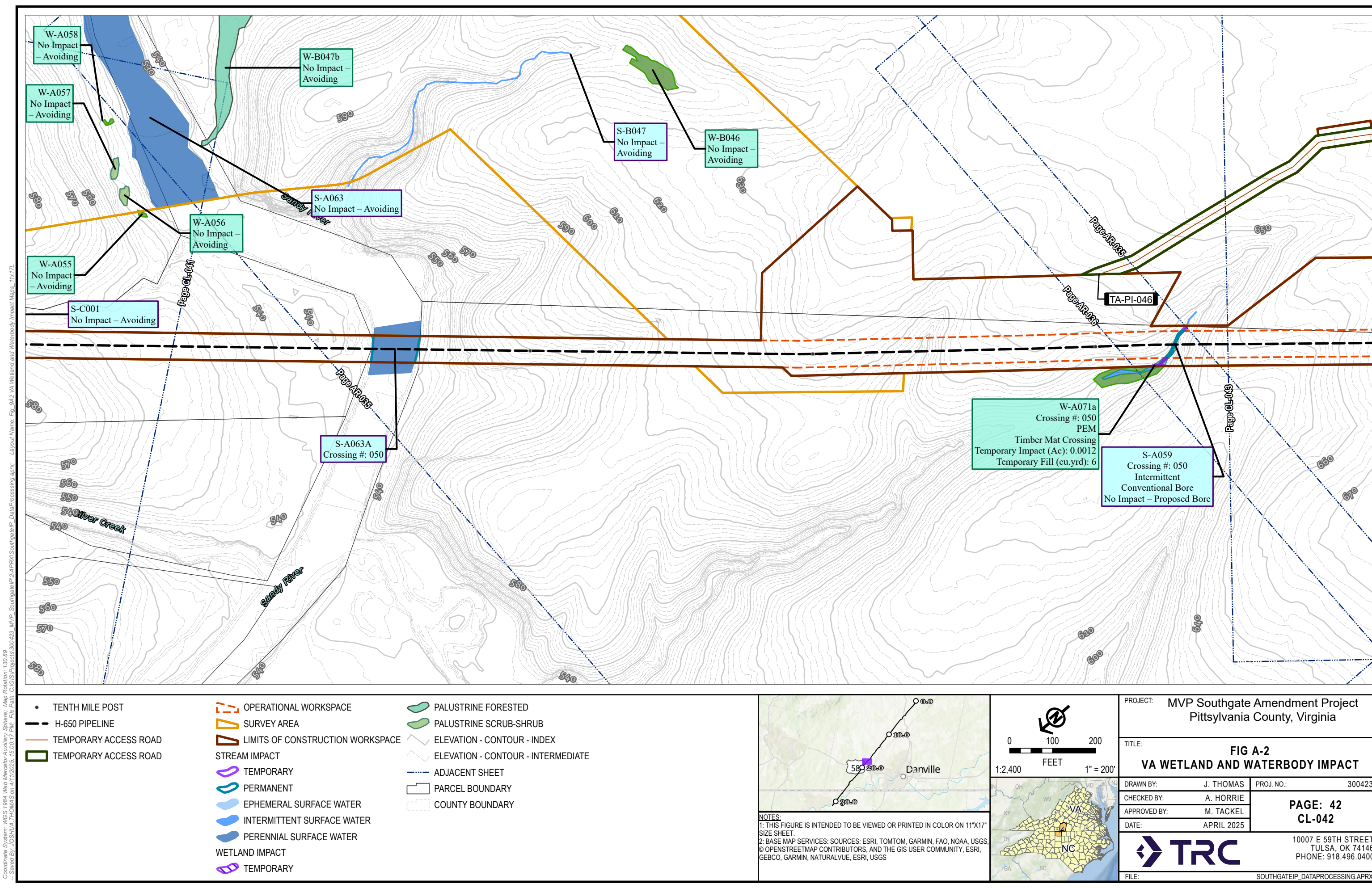
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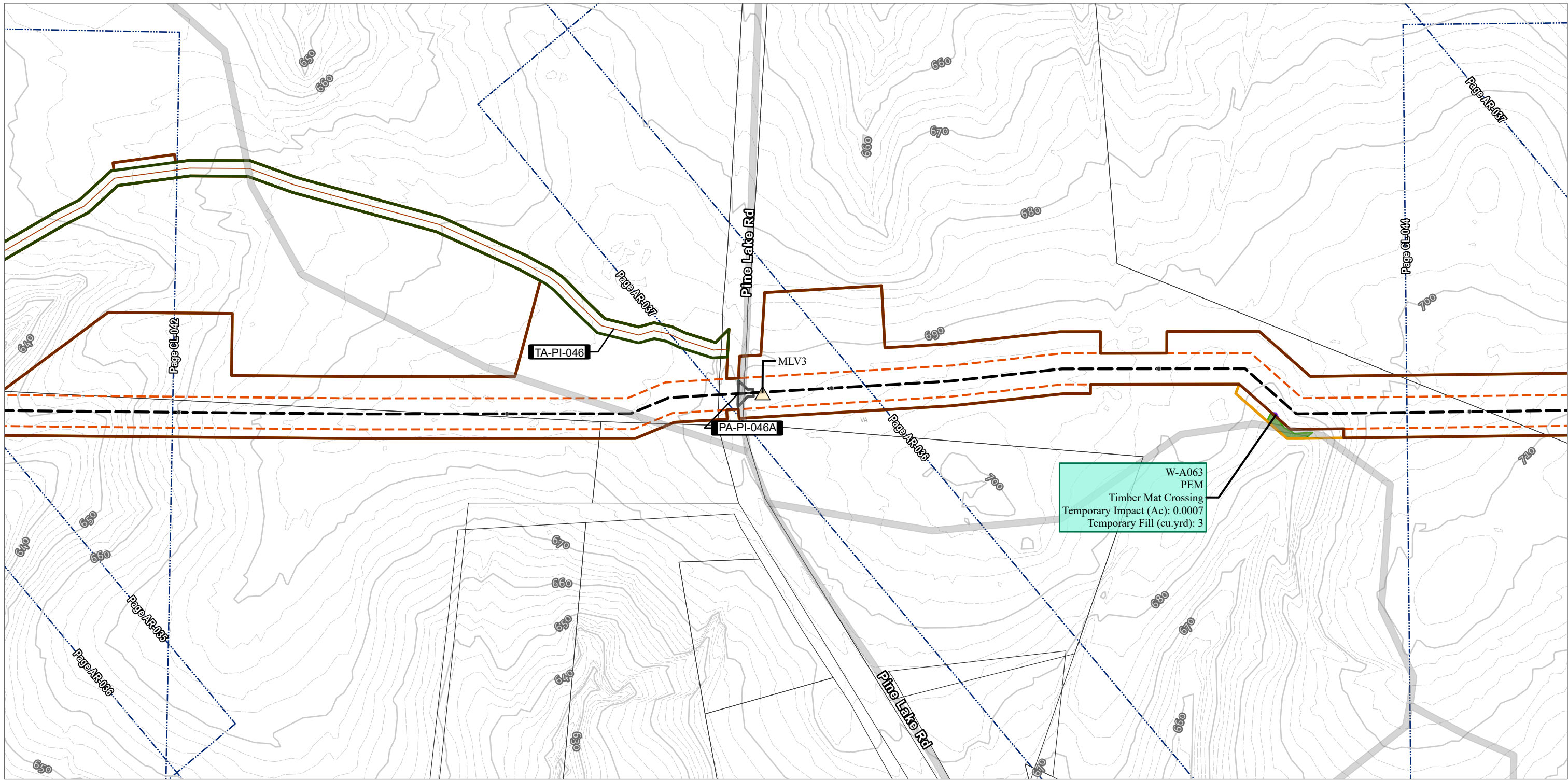
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1" = 200'

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: 40 CL-040
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	
FILE:	SOUTHGATEIP_DATAPROCESSING.APRX



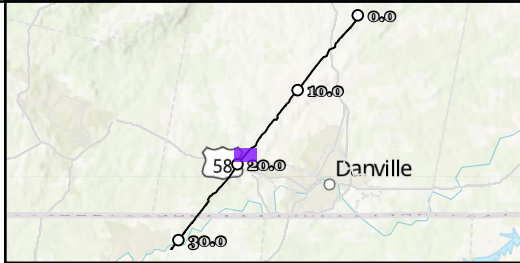
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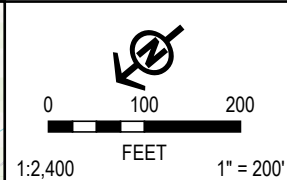
- TENTH MILE POST
- MAIN LINE VALVE
- H-650 PIPELINE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- PERMANENT ACCESS ROAD

- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- WETLAND IMPACT
- TEMPORARY
- PALUSTRINE EMERGENT

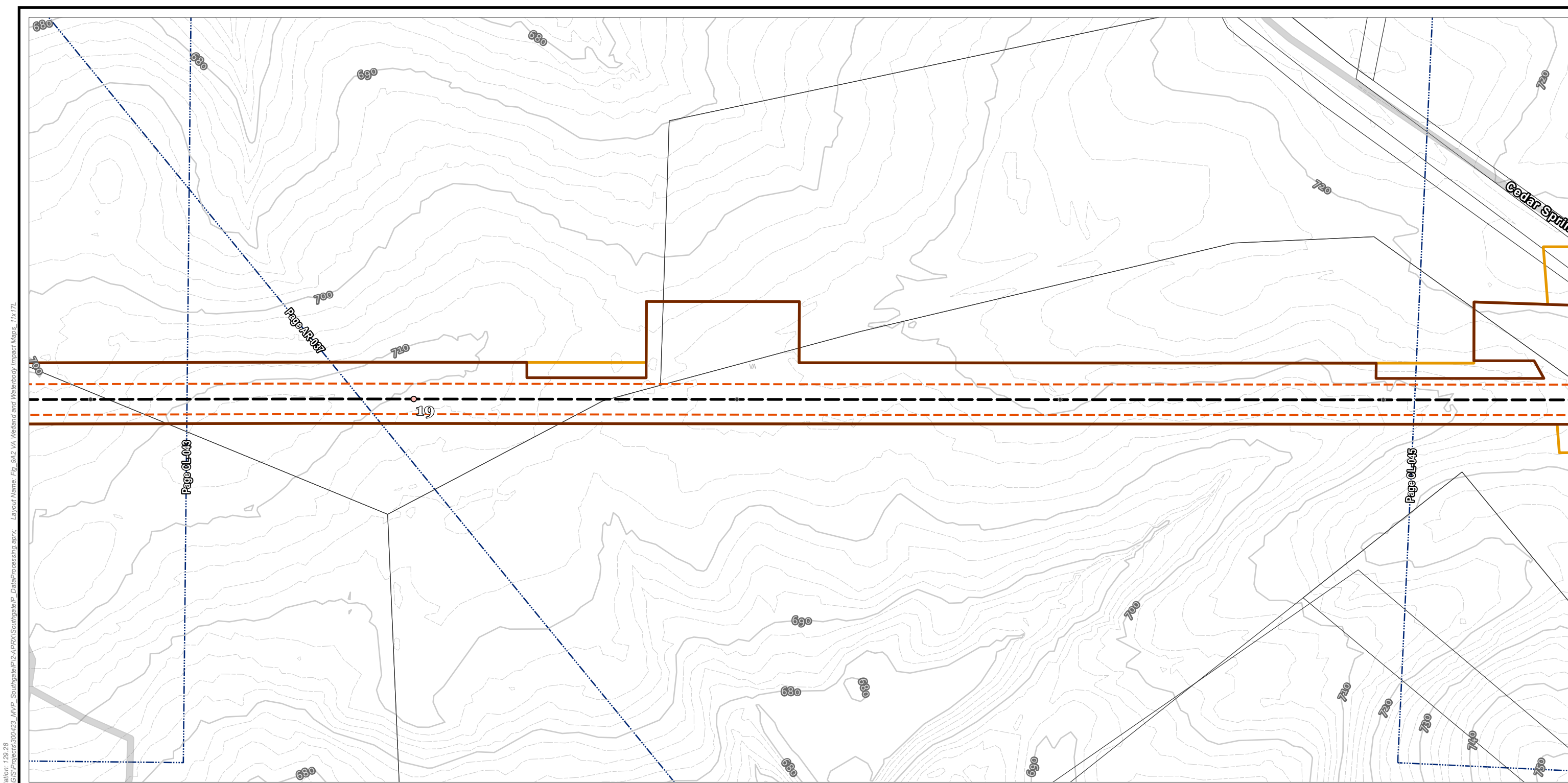
- ELEVATION - CONTOUR - INDEX
- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY



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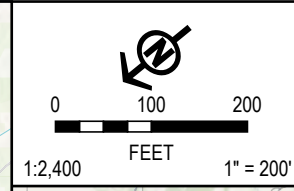
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DRAWN BY: J. THOMAS	PROJ. NO.: 300423	PAGE: 43 CL-043
CHECKED BY: A. HORRIE		
APPROVED BY: M. TACKEL		
DATE: APRIL 2025		
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FILE: SOUTHGATEIP_DATAPROCESSING.APRX		



- TENTH MILE POST
- MILE POST
- H-650 PIPELINE
- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- ELEVATION - CONTOUR - INDEX
- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY



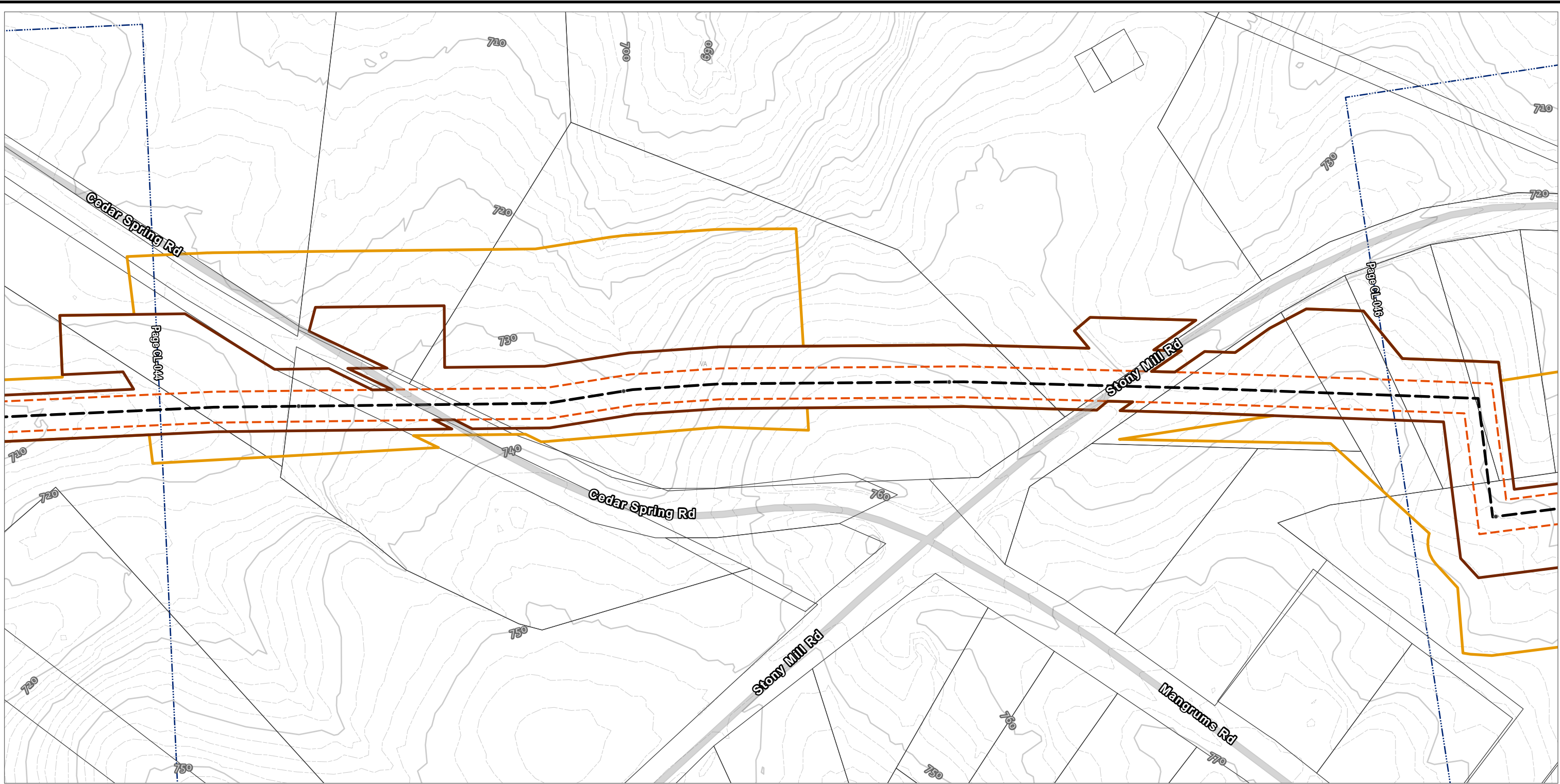
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PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 44 CL-044
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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FILE: SOUTHGATEIP_DATAPROCESSING.APRX	

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- TENTH MILE POST

H-650 PIPELINE
- OPERATIONAL WORKSPACE

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.

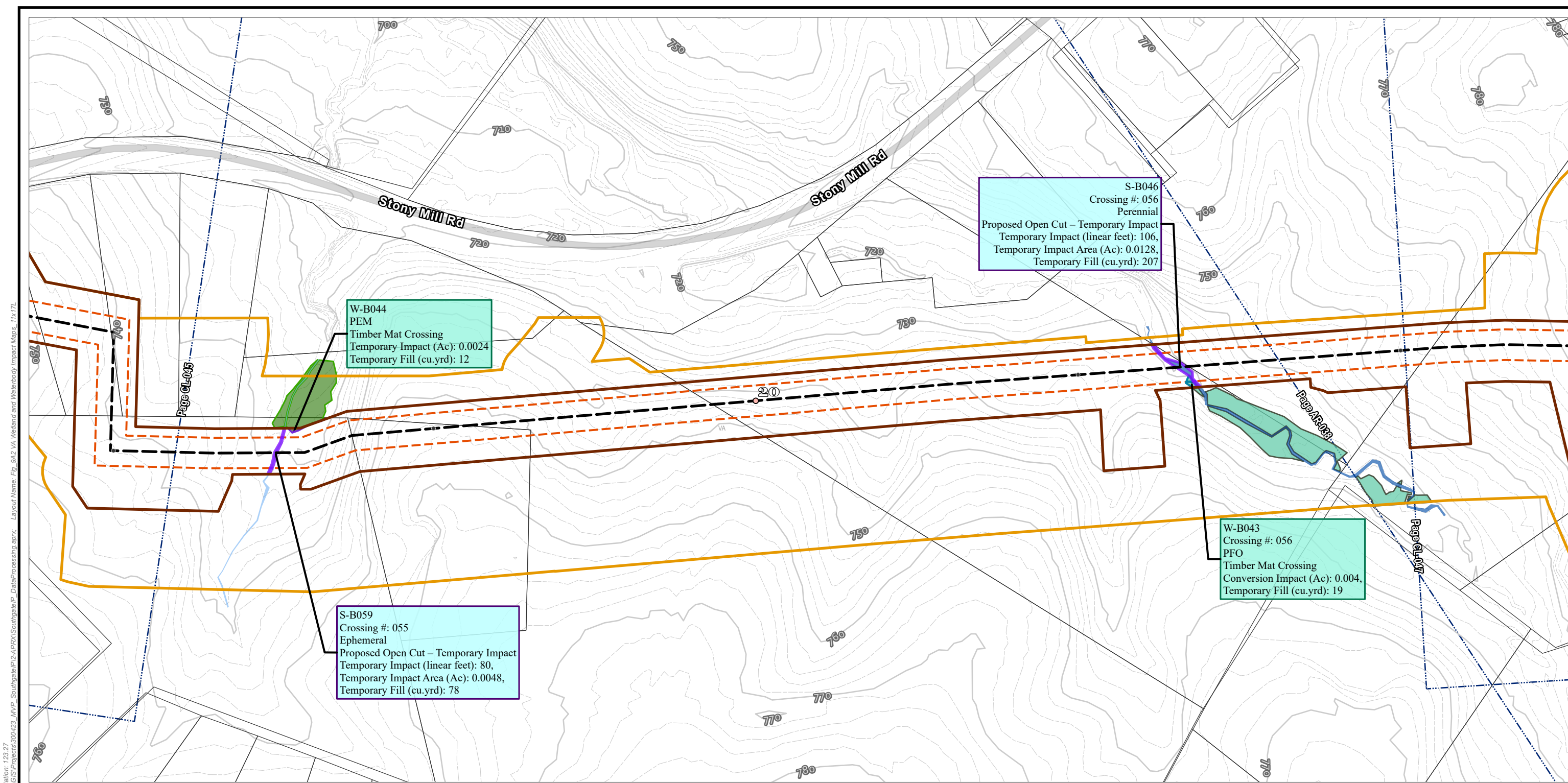
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0100200

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: 45 CL-045		
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

MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

EPHEMERAL SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

50

200

1000

1000

1000

1000

1000

1000

1000

Danville

NOTES:

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0

100

200

1:2,400

1" = 200'

VA

NC

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: 46
CL-046

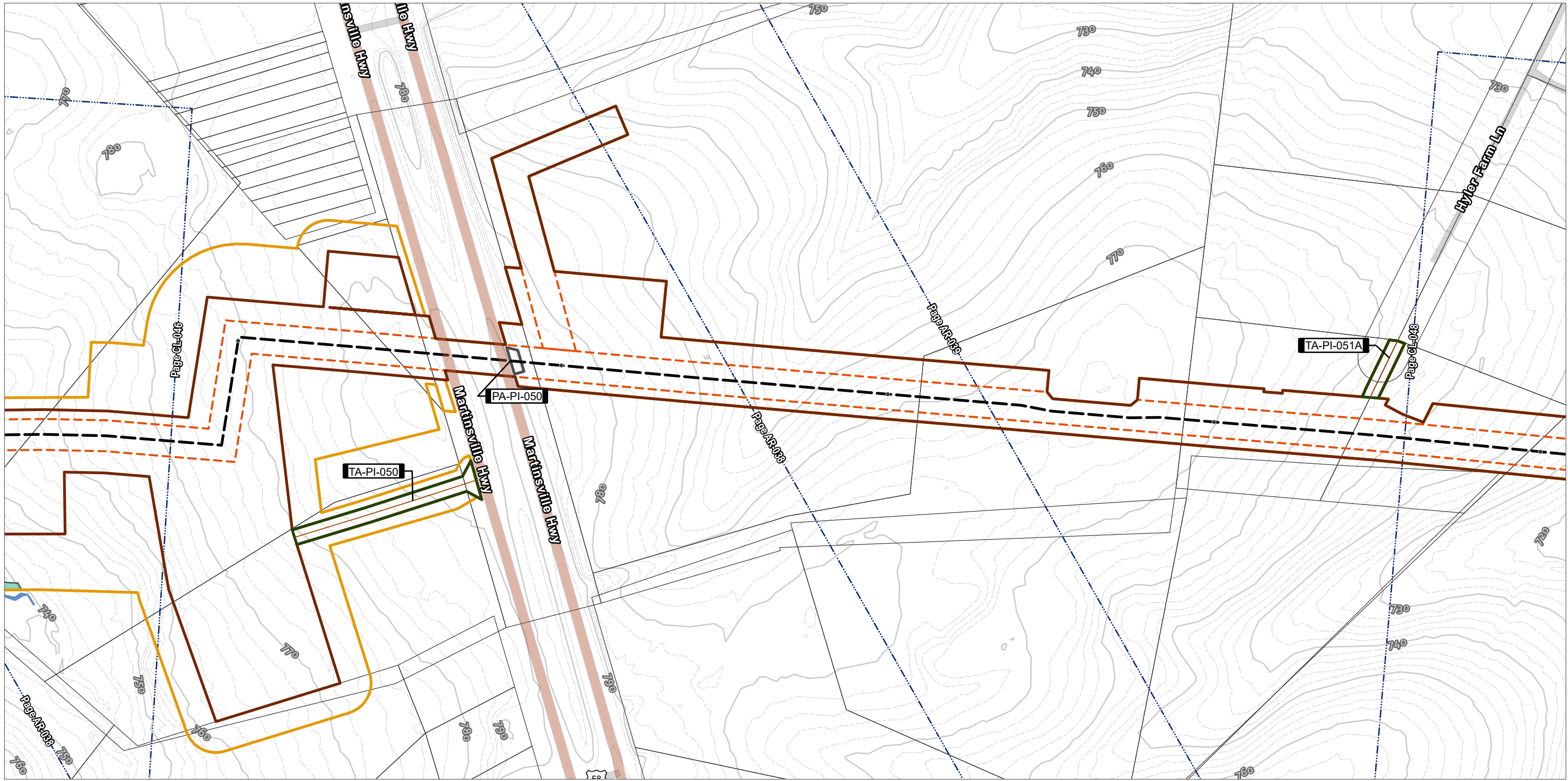
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TULSA, OK 74146
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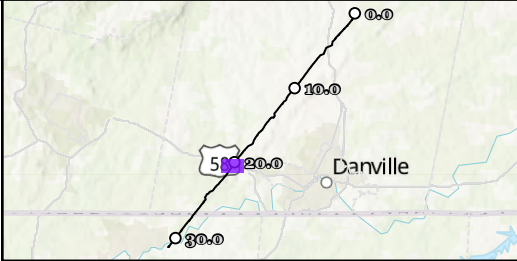
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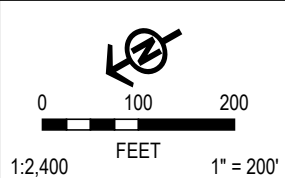
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- H-650 PIPELINE
- PERMANENT ACCESS ROAD
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- PERMANENT ACCESS ROAD

- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- PERENNIAL SURFACE WATER
- PALUSTRINE FORESTED

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

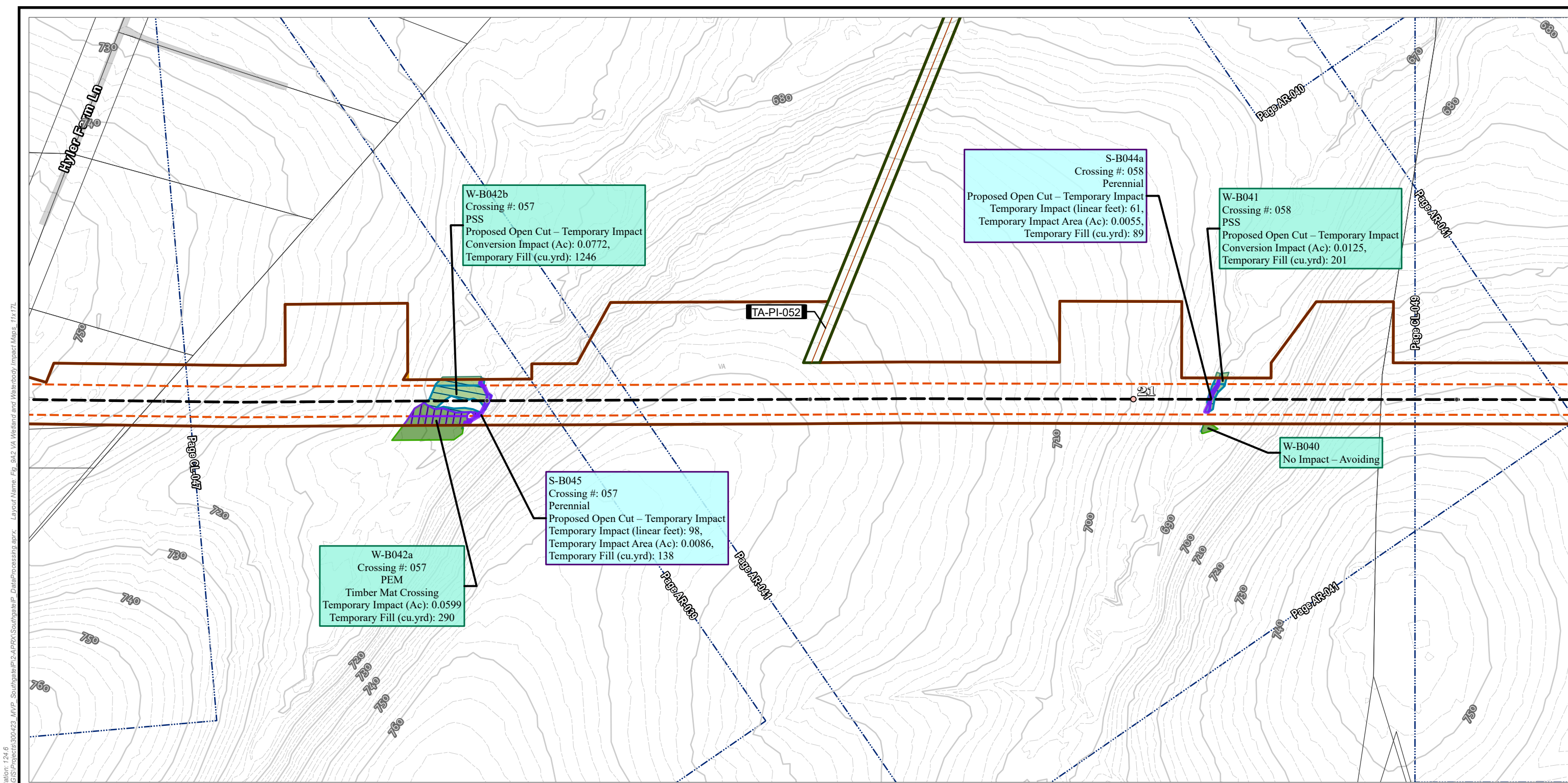


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PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 47 CL-047
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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FILE: SOUTHGATEIP_DATAPROCESSING.APRX	





TENTH MILE POST

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

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE SCRUB-SHRUB

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

50

200

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

Darville

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0

100

200

FEET

1:2,400

1" = 200'

VA

NC

OH

MD

WV

GA

SC

IN

IL

MI

WI

PA

NY

CT

RI

MA

NH

VT

ME

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: 48
CL-048

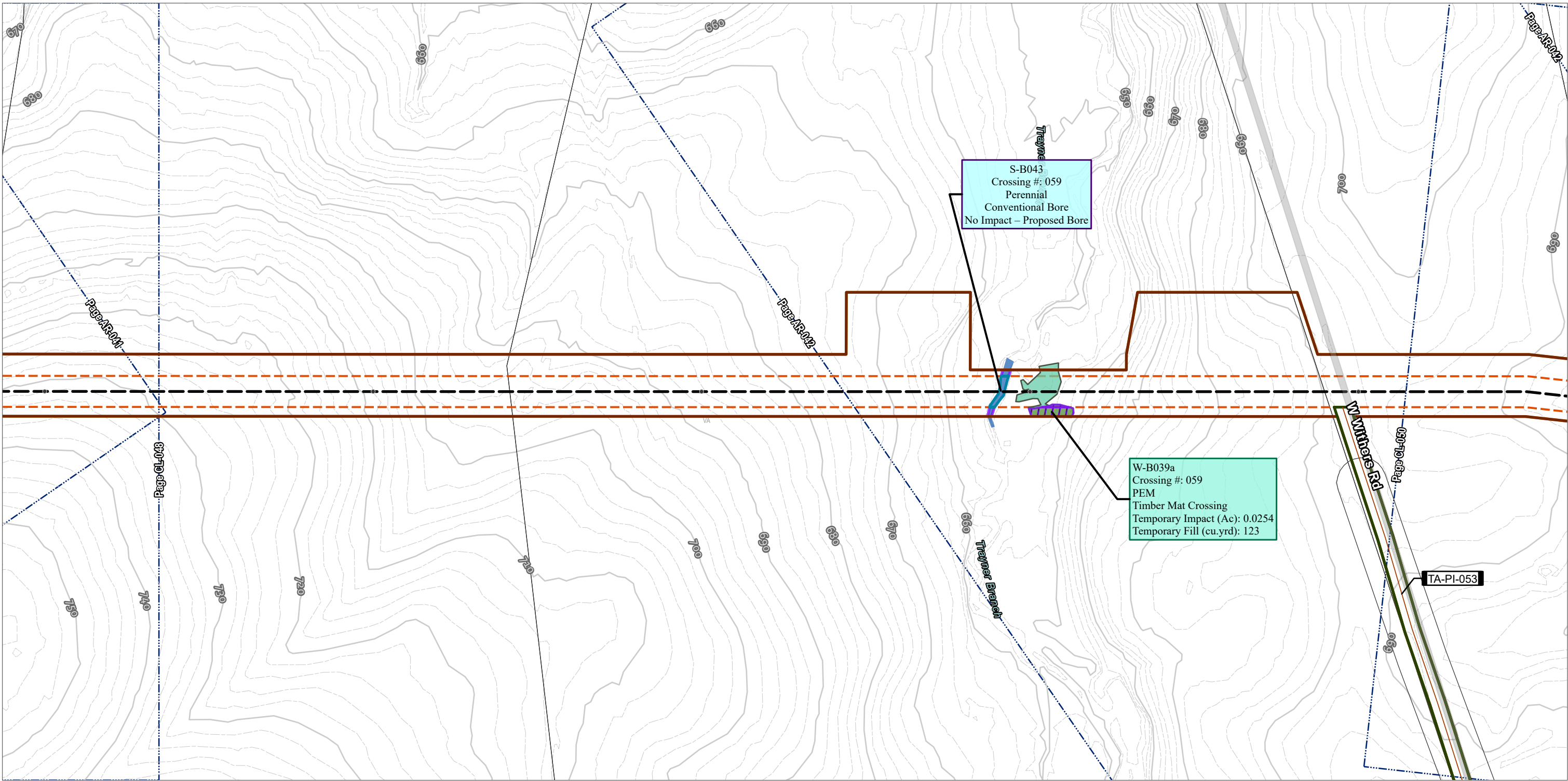
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PHONE: 918.496.0400

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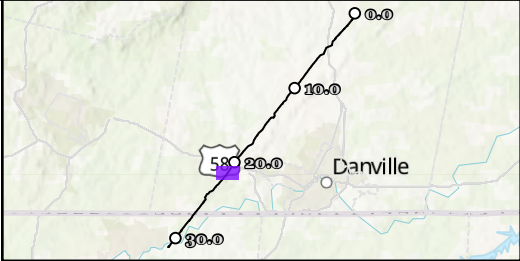
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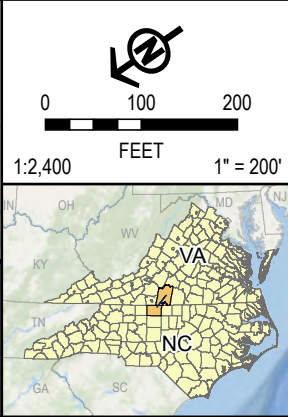
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- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD

- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- STREAM IMPACT
 - TEMPORARY
 - PERMANENT
 - PERENNIAL SURFACE WATER
- WETLAND IMPACT
 - TEMPORARY
 - PALUSTRINE EMERGENT
 - PALUSTRINE FORESTED

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



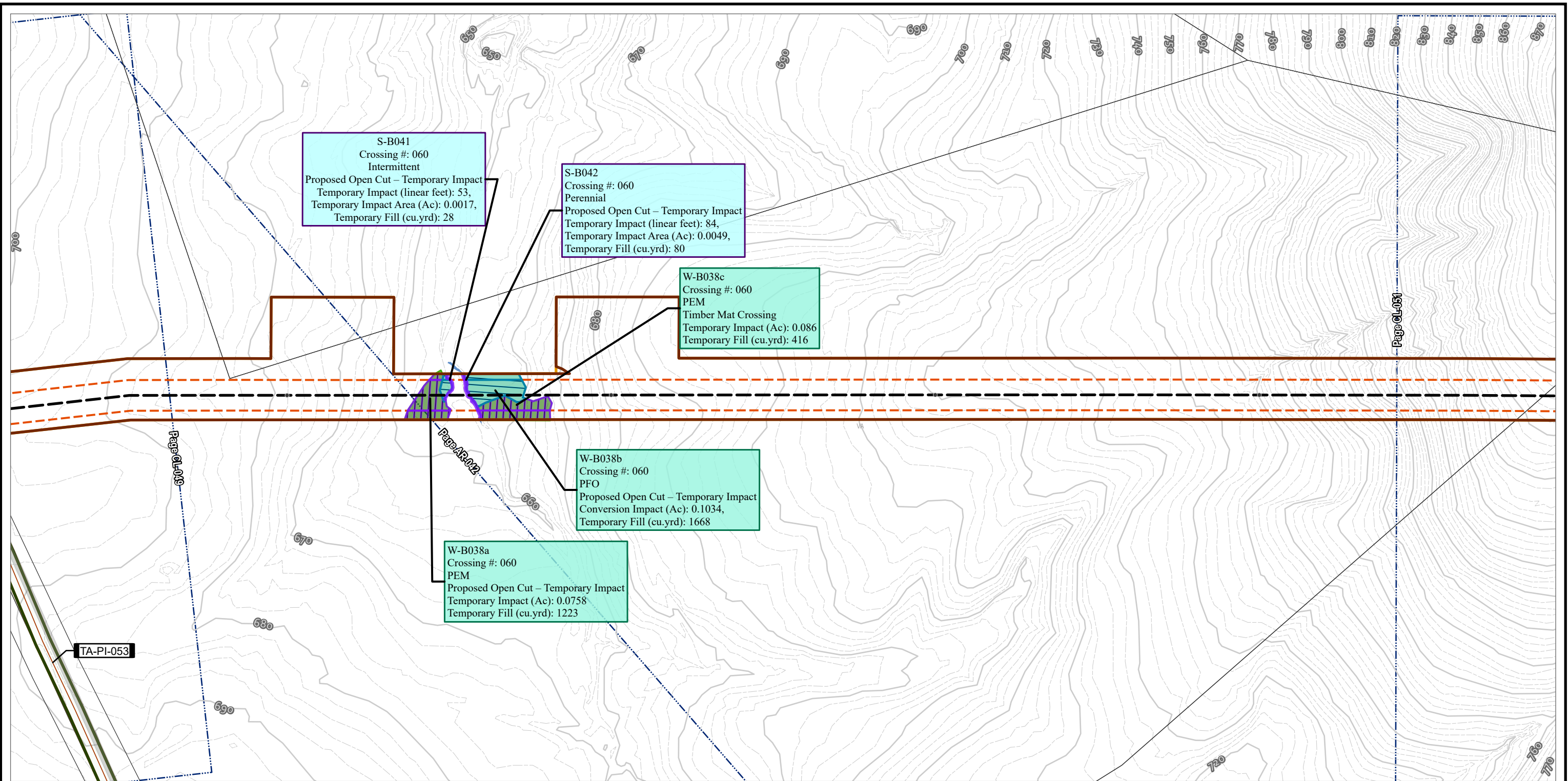
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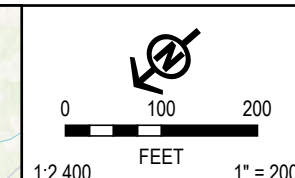
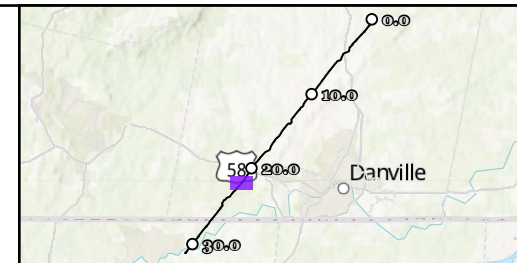
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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 49 CL-049
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	



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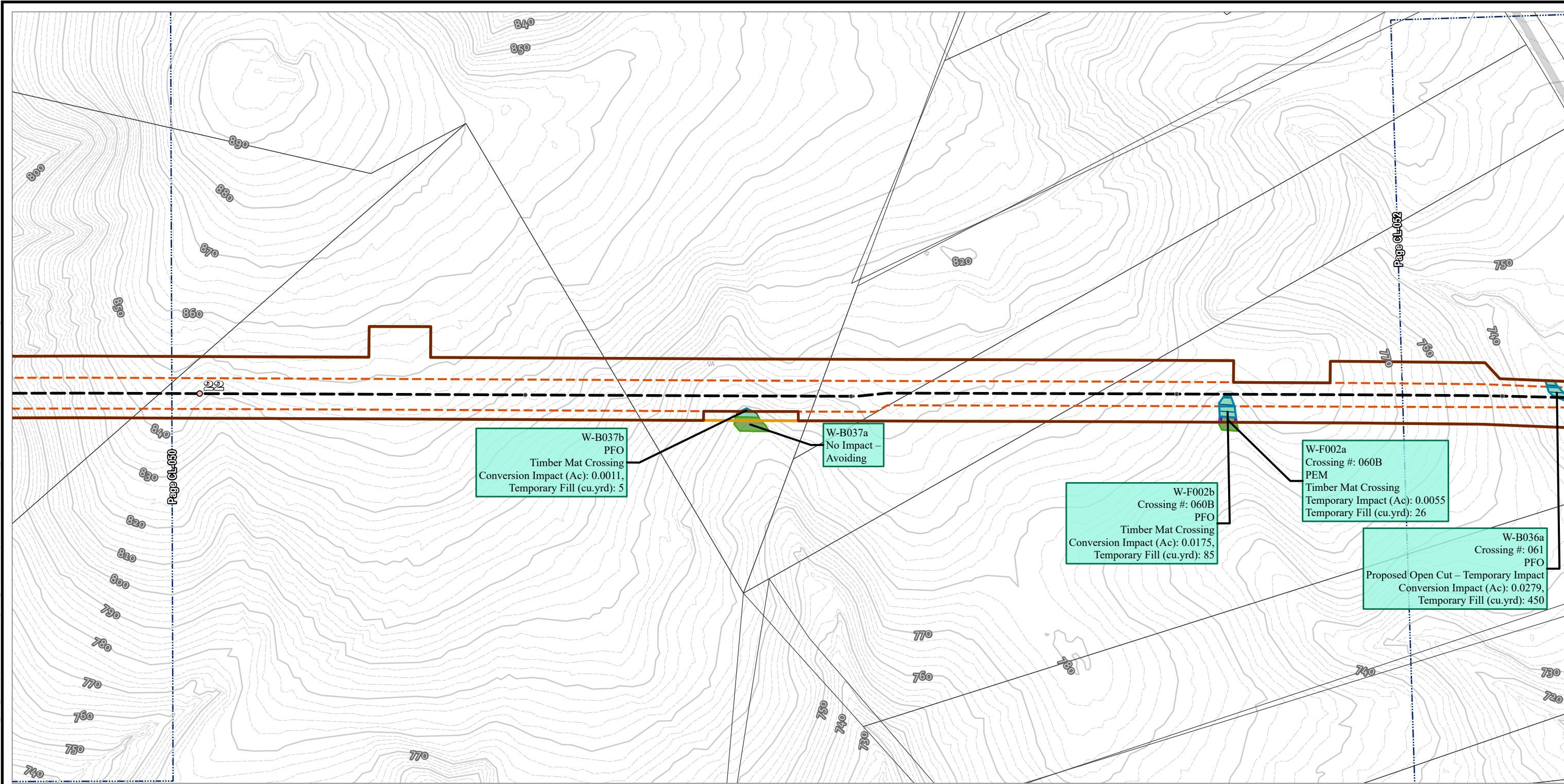


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| • TENTH MILE POST |  OPERATIONAL WORKSPACE |  PALUSTRINE FORESTED |
| — H-650 PIPELINE |  SURVEY AREA |  ELEVATION - CONTOUR - INDEX |
| — TEMPORARY ACCESS ROAD |  LIMITS OF CONSTRUCTION WORKSPACE |  ELEVATION - CONTOUR - INTERMEDIATE |
|  TEMPORARY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



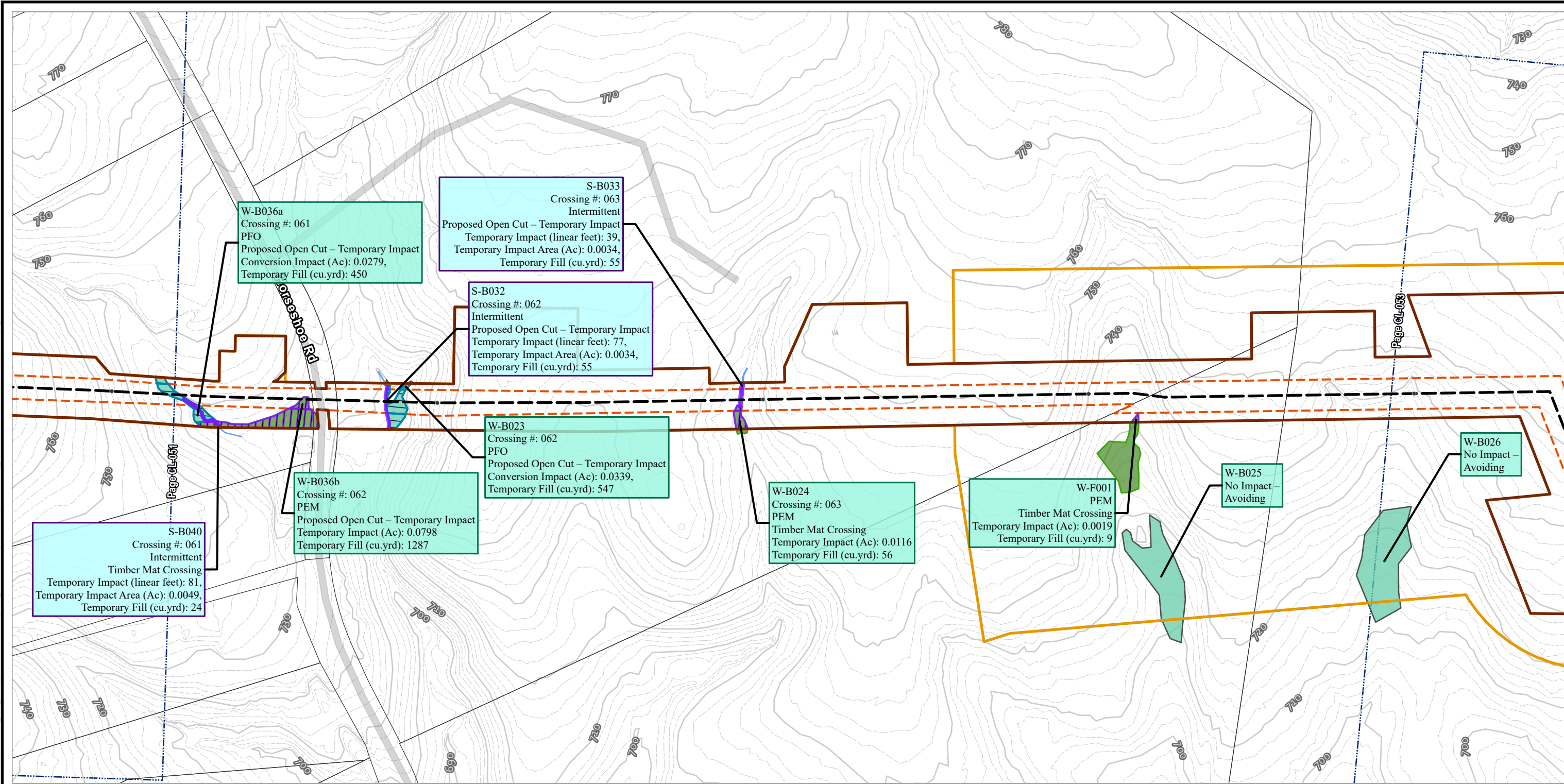
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TITLE:	FIG A-2 VA WETLAND AND WATERBODY IMPACT		
DRAWN BY:	J. THOMAS	PROJ. NO.:	300423
CHECKED BY:	A. HORRIE	PAGE: 50 CL-050	
APPROVED BY:	M. TACKEL		
DATE:	APRIL 2025		
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FILE:	SOUTHGATEIP_DATAPROCESSING.APRX		

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- TENTH MILE POST - MILE POST - H-650 PIPELINE	- 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	PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT <table><tr><td>DRAWN BY: J. THOMAS</td><td>PROJ. NO.: 300423</td></tr><tr><td>CHECKED BY: A. HORRIE</td><td rowspan="2">PAGE: 51 CL-051</td></tr><tr><td>APPROVED BY: M. TACKEL</td></tr><tr><td>DATE: APRIL 2025</td><td></td></tr></table> 10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400	DRAWN BY: J. THOMAS	PROJ. NO.: 300423	CHECKED BY: A. HORRIE	PAGE: 51 CL-051	APPROVED BY: M. TACKEL	DATE: APRIL 2025	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423										
CHECKED BY: A. HORRIE	PAGE: 51 CL-051										
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TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

INTERMITTENT SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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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

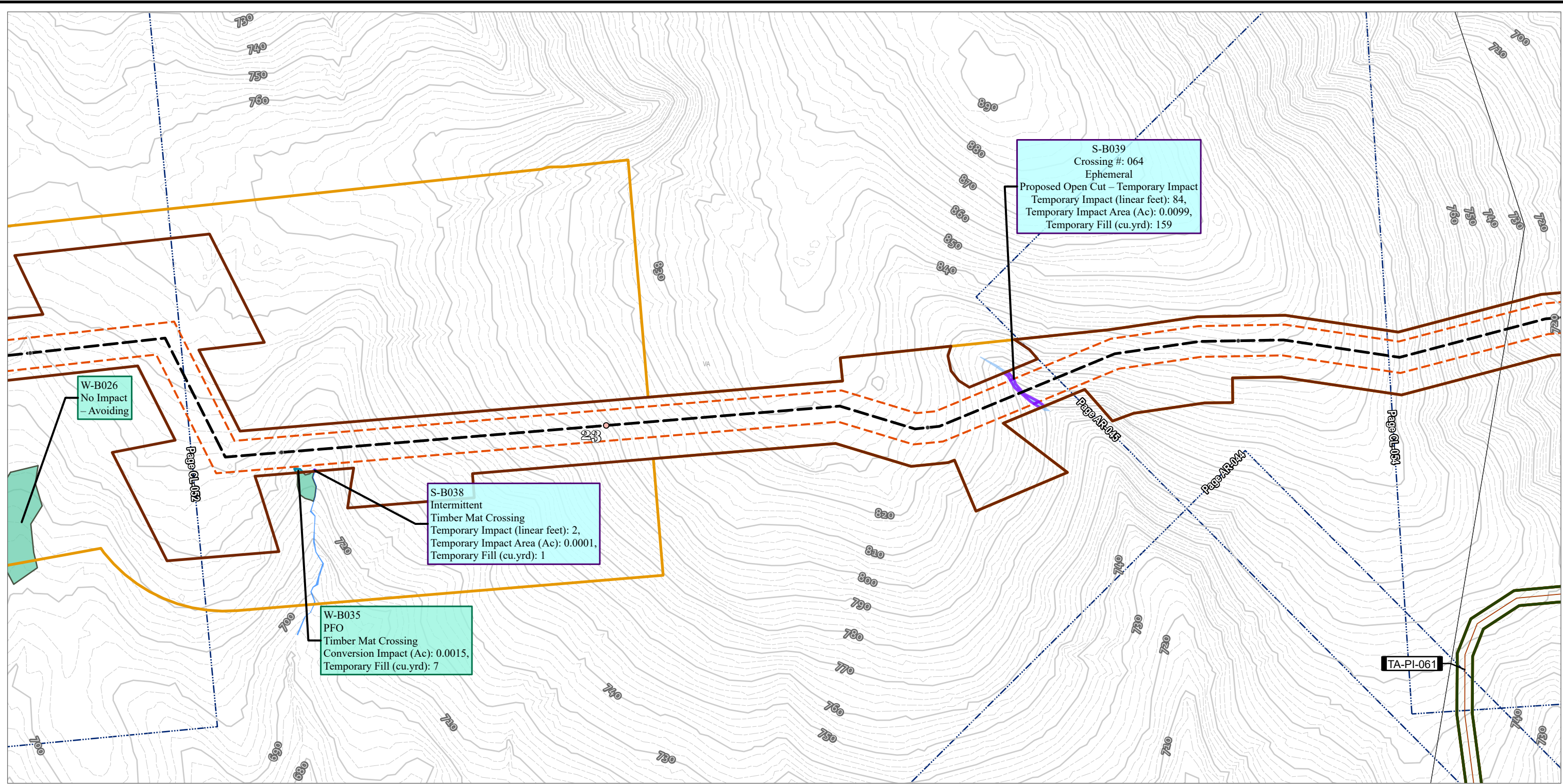
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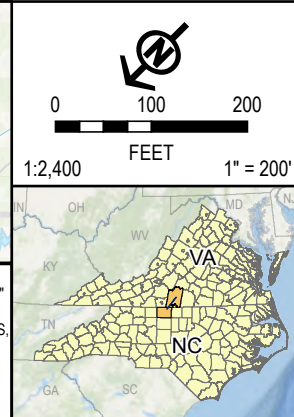
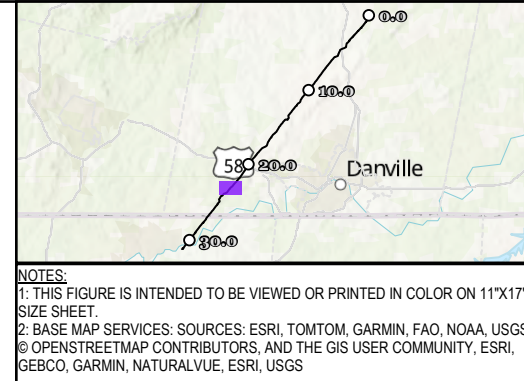
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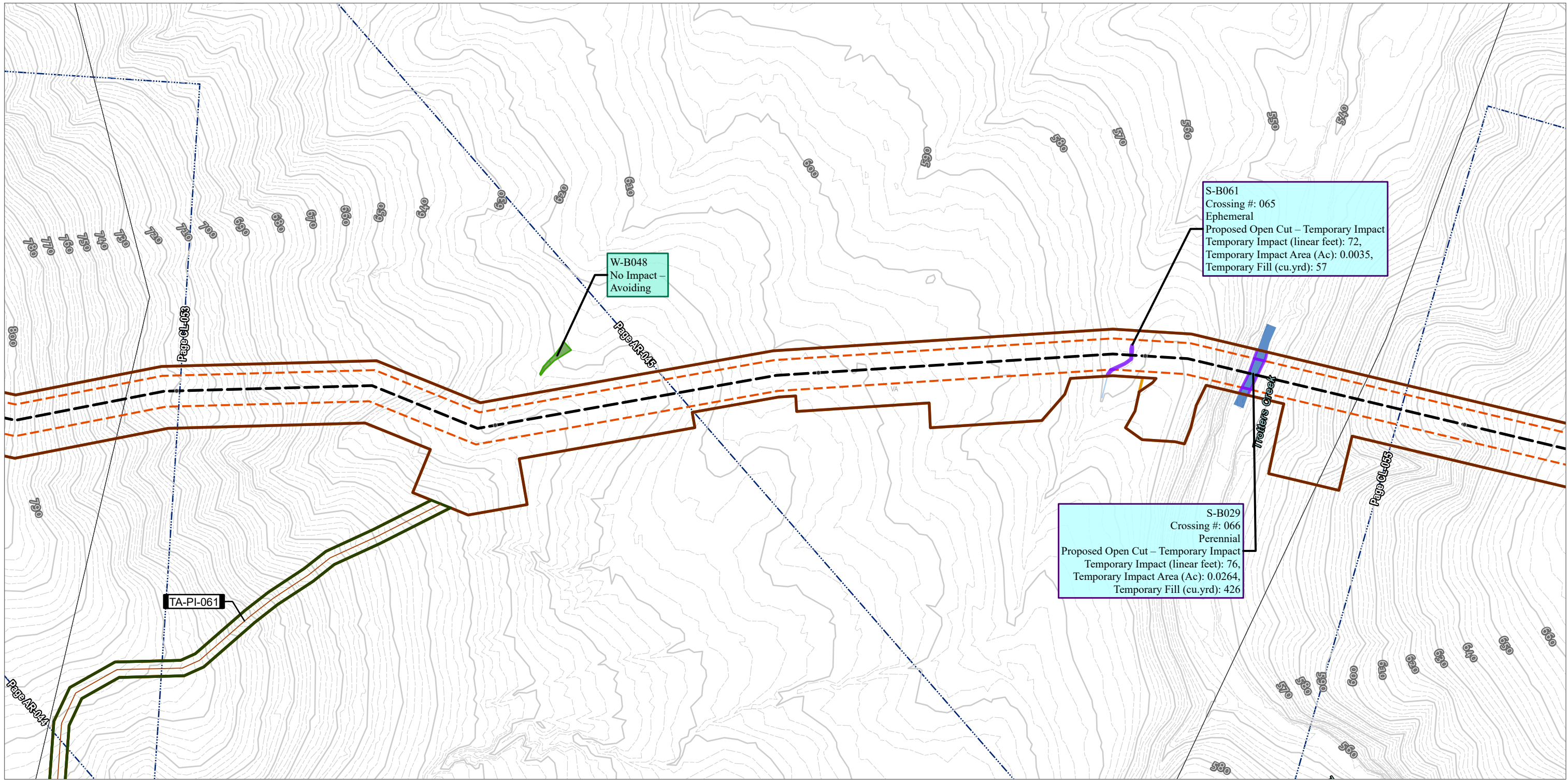


- | | | |
|---------------------------|----------------------------------|------------------------------------|
| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| ○ MILE POST | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| --- H-650 PIPELINE | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| --- TEMPORARY ACCESS ROAD | STREAM IMPACT | PARCEL BOUNDARY |
| TEMPORARY ACCESS ROAD | TEMPORARY | COUNTY BOUNDARY |
| | EPHEMERAL SURFACE WATER | |
| | INTERMITTENT SURFACE WATER | |
| | WETLAND IMPACT | |
| | CONVERSION | |
| | 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: 53 CL-053	
APPROVED BY: M. TACKEL			
DATE: APRIL 2025			
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FILE:		SOUTHGATEIP_DATAPROCESSING.APRX	

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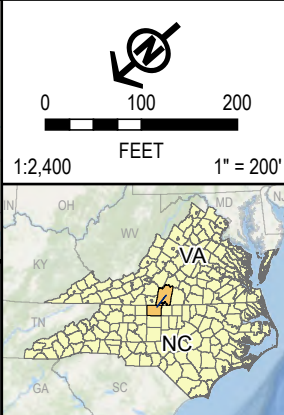
- TENTH MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD

- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- STREAM IMPACT
 - TEMPORARY
 - EPHEMERAL SURFACE WATER
 - PERENNIAL SURFACE WATER
 - PALUSTRINE EMERGENT

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

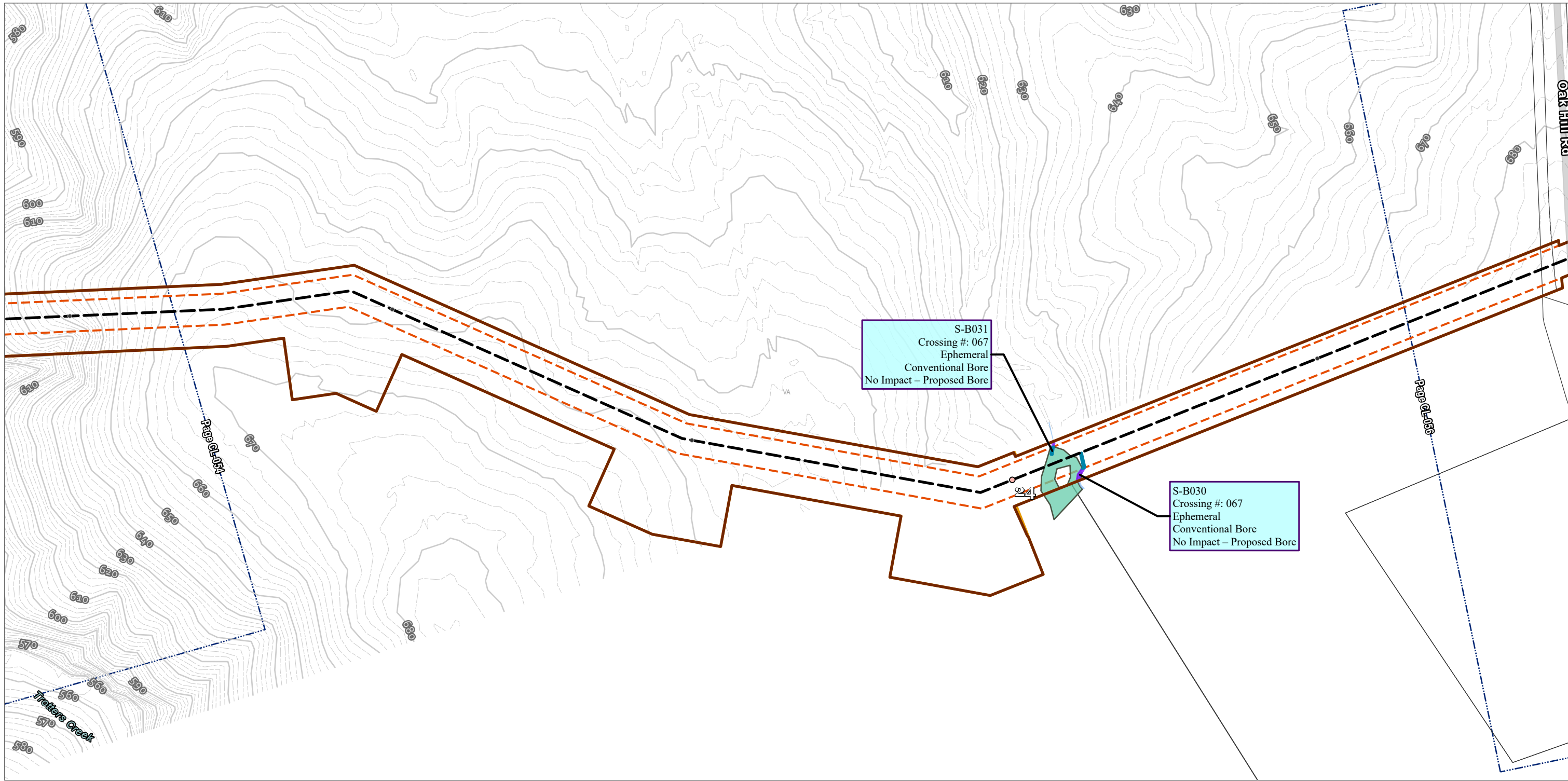


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT			
DRAWN BY: J. THOMAS		PROJ. NO.: 300423	
CHECKED BY: A. HORRIE		PAGE: 54 CL-054	
APPROVED BY: M. TACKEL			
DATE: APRIL 2025			
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TENTH MILE POST

MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERMANENT

EPHEMERAL SURFACE WATER

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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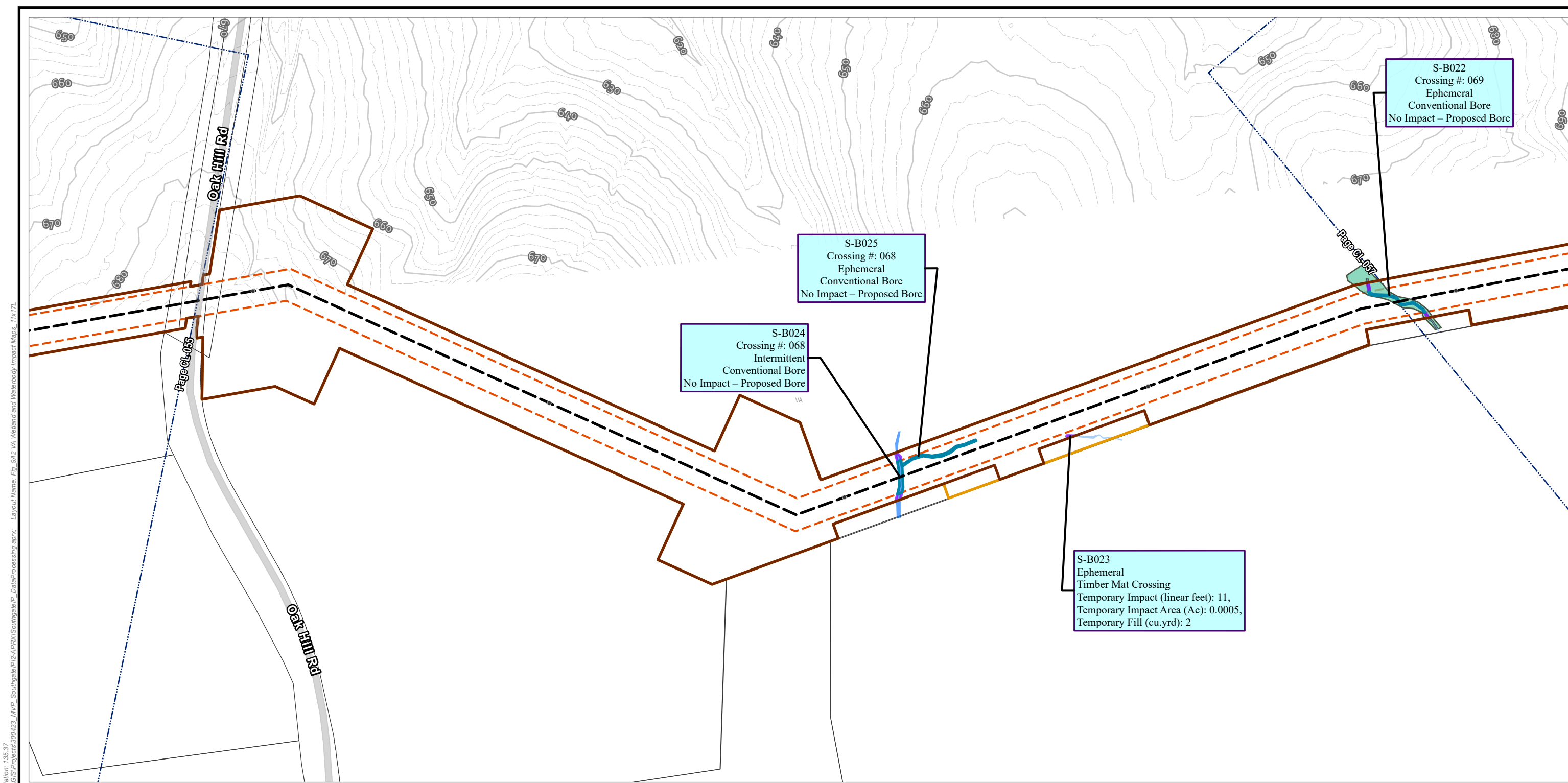
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FEET

1:2,400

1" = 200'

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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 55 CL-055
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FILE:	SOUTHGATEIP_DATAPROCESSING.APRX



TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERMANENT

EPHEMERAL SURFACE WATER

INTERMITTENT SURFACE WATER

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

58°20'00"

80°00'00"

100°00'00"

120°00'00"

Danville

NOTES:

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0

100

200

FEET

1:2,400

1" = 200'

OH

WV

MD

VA

NC

GA

SC

TN

KY

VA

NC

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

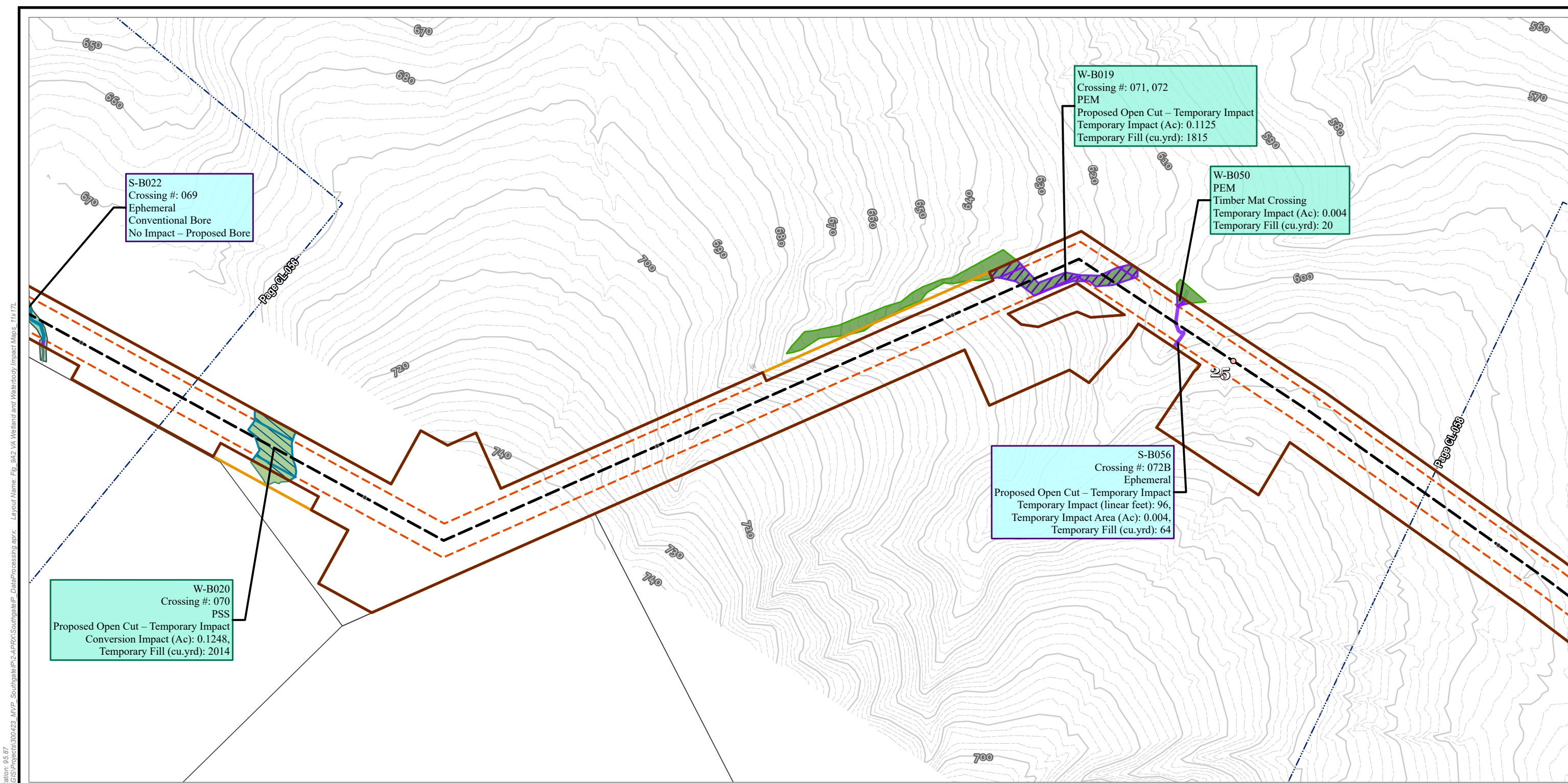
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• TENTH MILE POST
○ MILE POST
- - - H-650 PIPELINE

OPERATIONAL WORKSPACE
SURVEY AREA
LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT
TEMPORARY
PERMANENT
EPHEMERAL SURFACE WATER

WETLAND IMPACT
TEMPORARY
CONVERSION
PALUSTRINE EMERGENT

PALUSTRINE FORESTED
PALUSTRINE SCRUB-SHRUB
ELEVATION - CONTOUR - INDEX
ELEVATION - CONTOUR - INTERMEDIATE
ADJACENT SHEET
PARCEL BOUNDARY
COUNTY BOUNDARY

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PROJECT: MVP Southgate Amendment Project
Pittsylvania County, Virginia

TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT

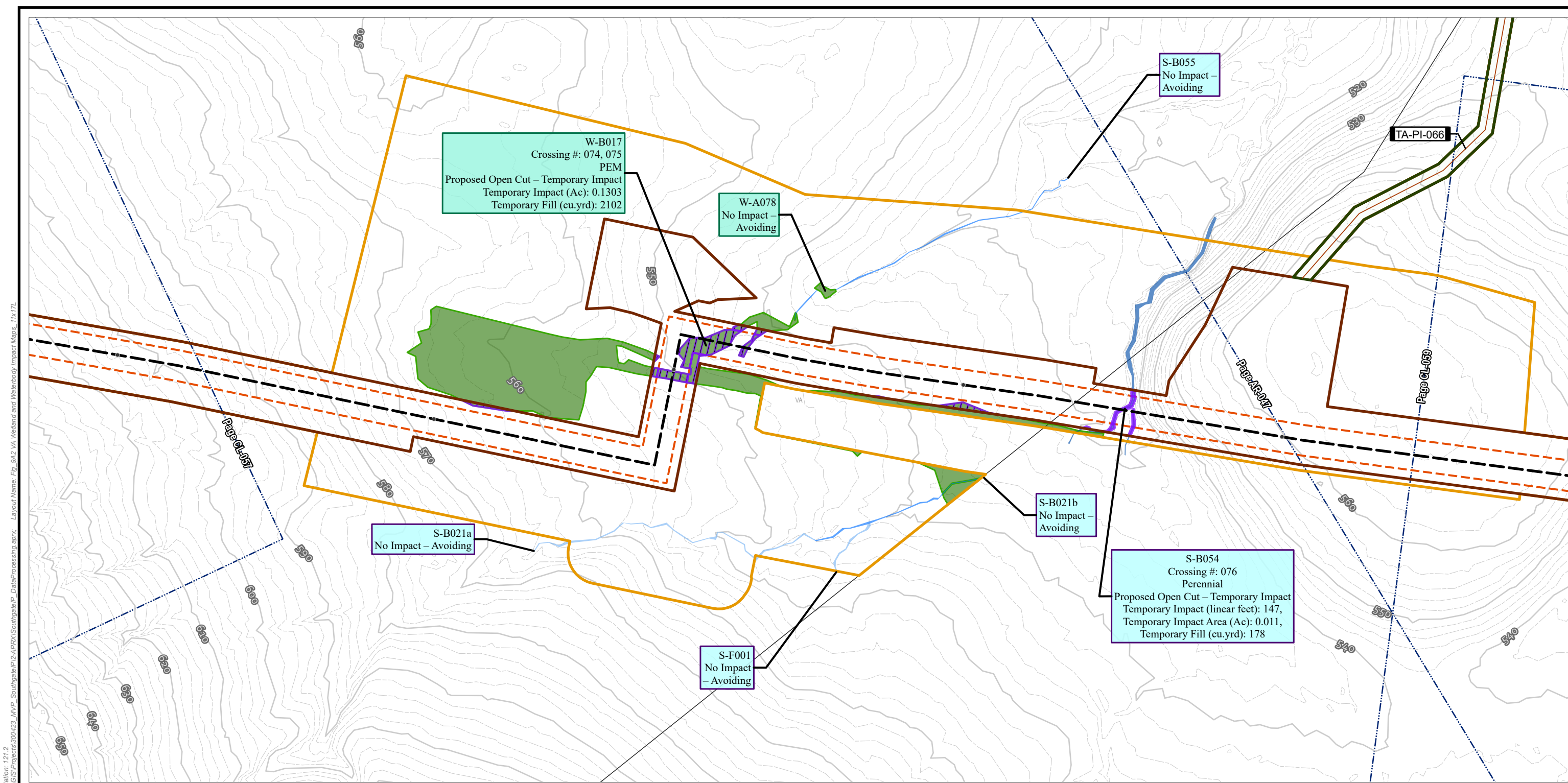
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APPROVED BY: M. TACKEL	
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TENTH MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

EPHEMERAL SURFACE WATER

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

PALUSTRINE EMERGENT

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

1:2,400

FEET

1" = 200'

NOTES:

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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: 58
CL-058

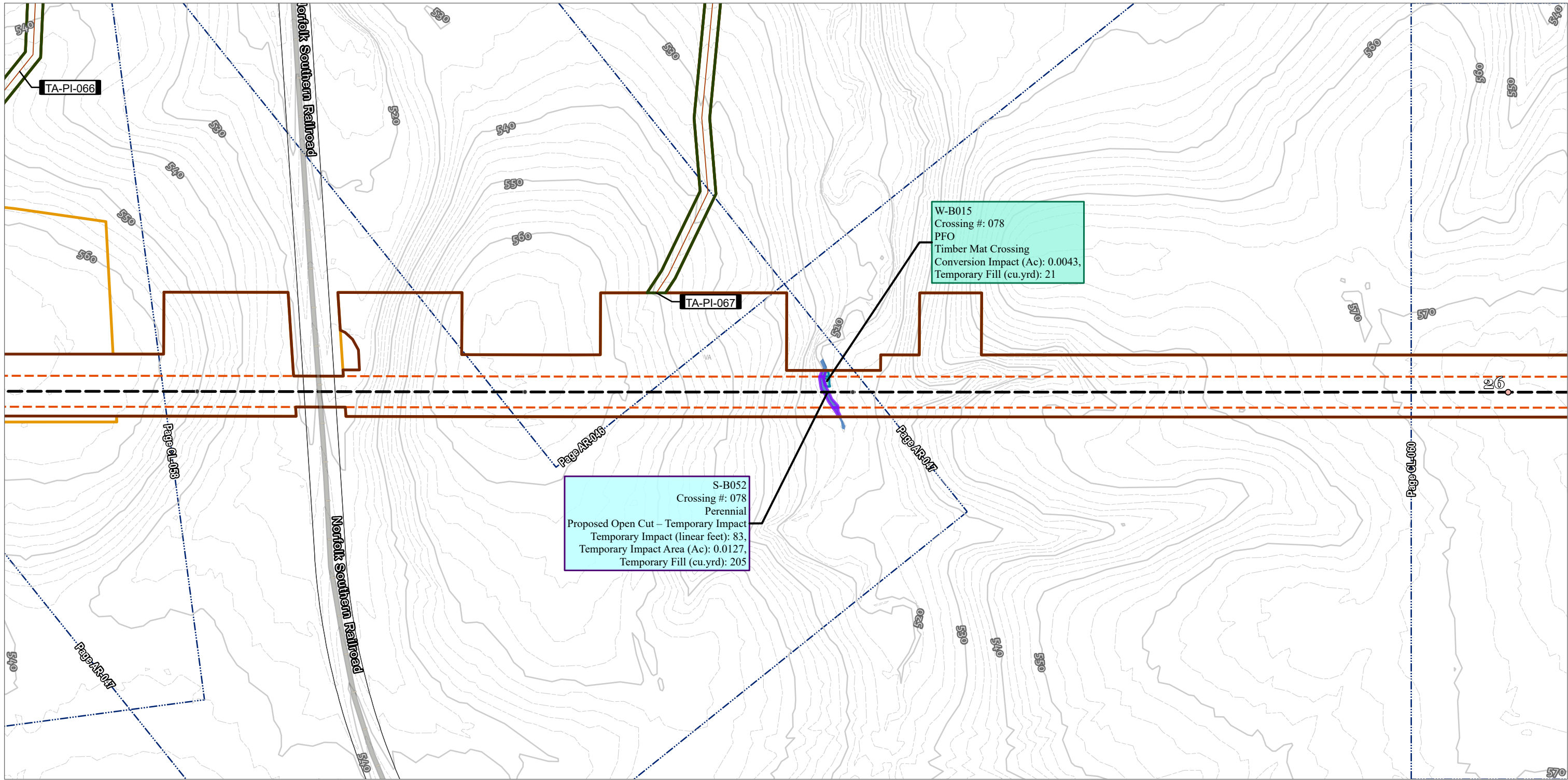
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PHONE: 918.496.0400

FILE: SOUTHGATEIP_DATAPROCESSING.APRX

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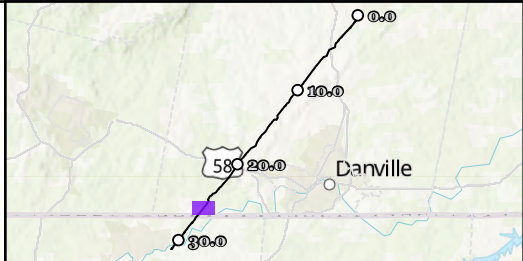
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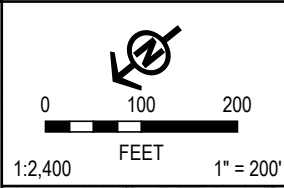
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- MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD

- 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



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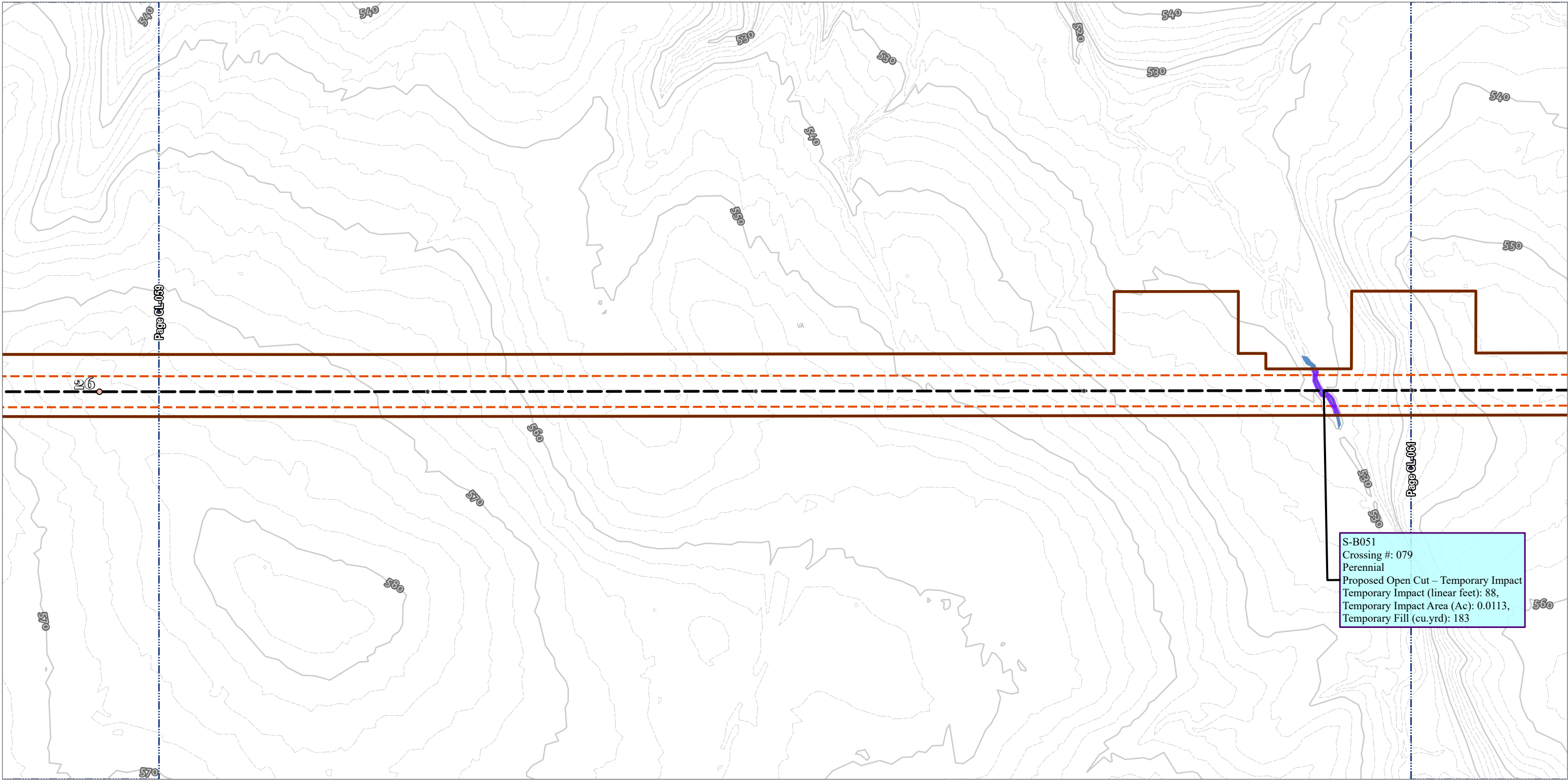


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 59 CL-059
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
FILE: SOUTHGATEIP_DATAPROCESSING.APRX	

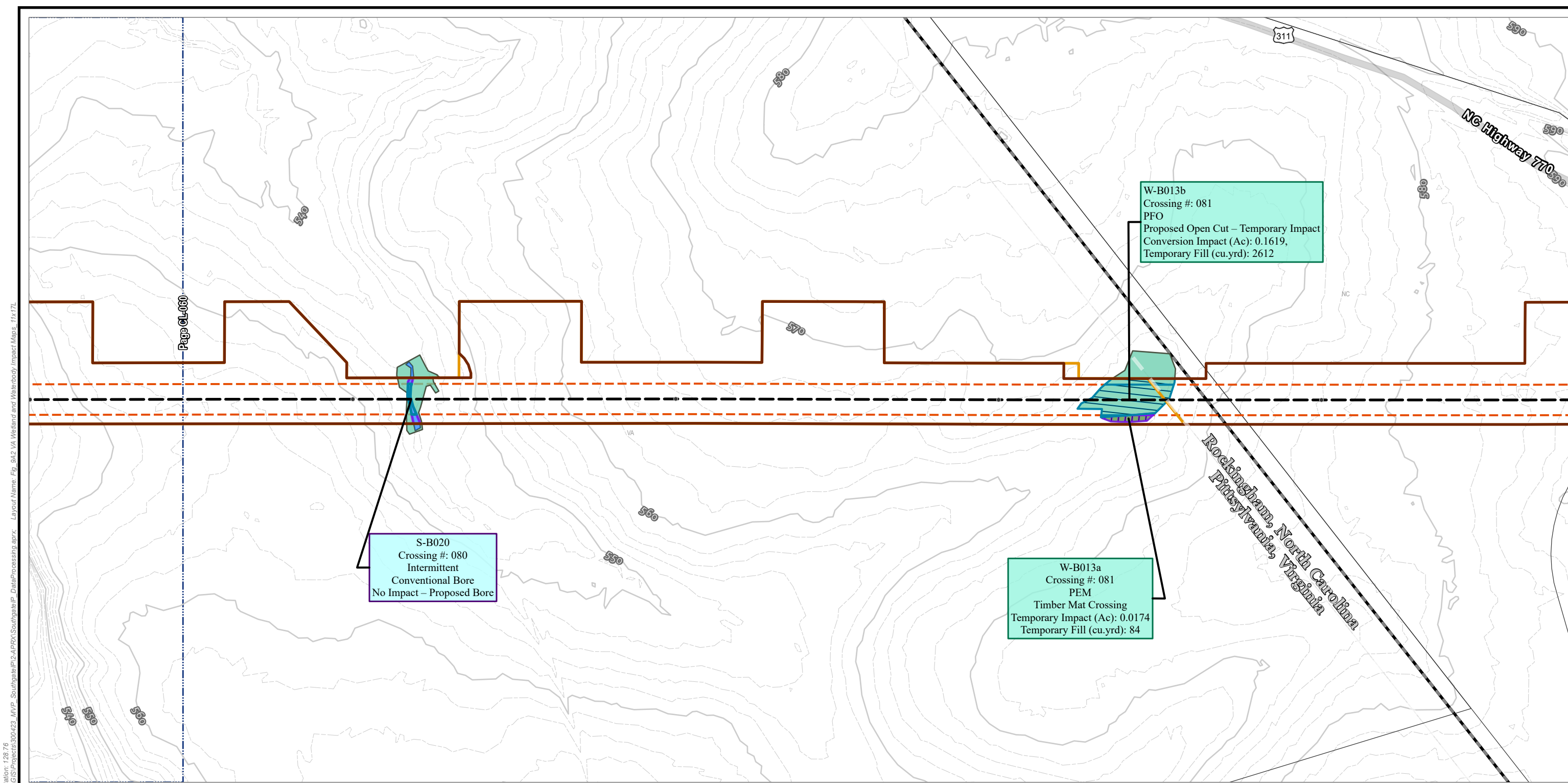


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PHONE: 918.496.0400

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- TENTH MILE POST - MILE POST - H-650 PIPELINE	- OPERATIONAL WORKSPACE - SURVEY AREA - LIMITS OF CONSTRUCTION WORKSPACE - STREAM IMPACT - TEMPORARY - 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	0 100 200 FEET 1:2,400 1" = 200'	<table><tr><td colspan="2">PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia</td></tr><tr><td colspan="2">TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT</td></tr><tr><td>DRAWN BY: J. THOMAS</td><td>PROJ. NO.: 300423</td></tr><tr><td>CHECKED BY: A. HORRIE</td><td rowspan="2">PAGE: 60 CL-060</td></tr><tr><td>APPROVED BY: M. TACKEL</td></tr><tr><td>DATE: APRIL 2025</td><td></td></tr><tr><td colspan="2"></td></tr><tr><td colspan="2">10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400</td></tr><tr><td colspan="2">FILE: SOUTHGATEIP_DATAPROCESSING.APRX</td></tr></table>	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: 60 CL-060	APPROVED BY: M. TACKEL	DATE: APRIL 2025				10007 E 59TH STREET TULSA, OK 74146 PHONE: 918.496.0400		FILE: SOUTHGATEIP_DATAPROCESSING.APRX	
PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia																						
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT																						
DRAWN BY: J. THOMAS	PROJ. NO.: 300423																					
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DATE: APRIL 2025																						
																						
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FILE: SOUTHGATEIP_DATAPROCESSING.APRX																						



TENTH MILE POST

H-650 PIPELINE

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERMANENT

INTERMITTENT SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

PALUSTRINE EMERGENT

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

1:2,400

1" = 200'

0

100

200

FEET

1:2,400

1" = 200'

NOTES:

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PROJECT:

MVP Southgate Amendment Project
Pittsylvania County, Virginia and
Rockingham County, North Carolina

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: 61

CL-061

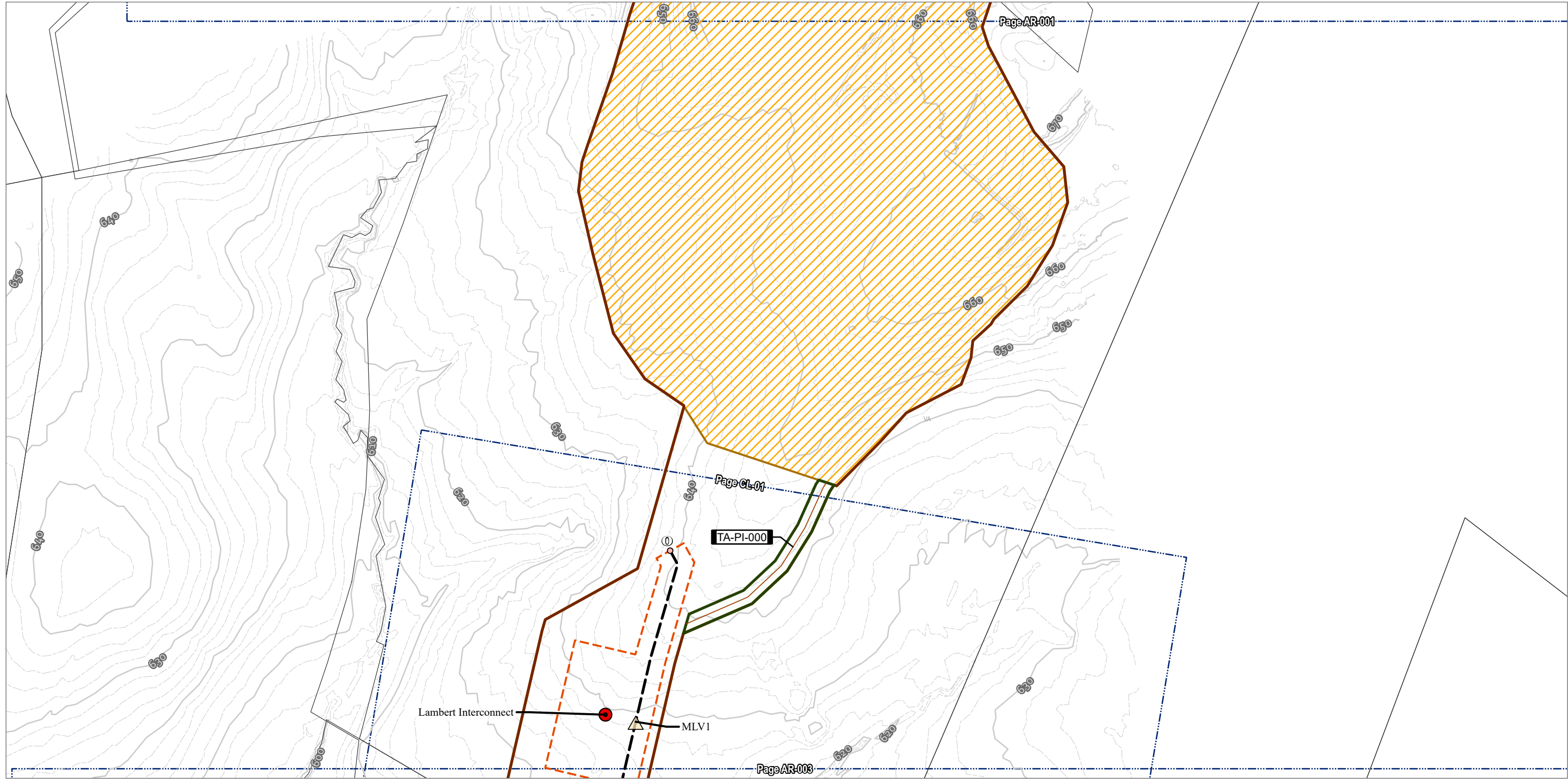
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PHONE: 918.496.0400

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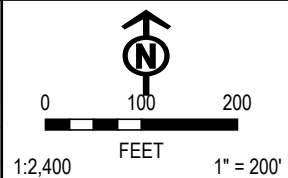
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- MAIN LINE VALVE
- METER STATIONS
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD

- OPERATIONAL WORKSPACE
- STAGING AREA
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE

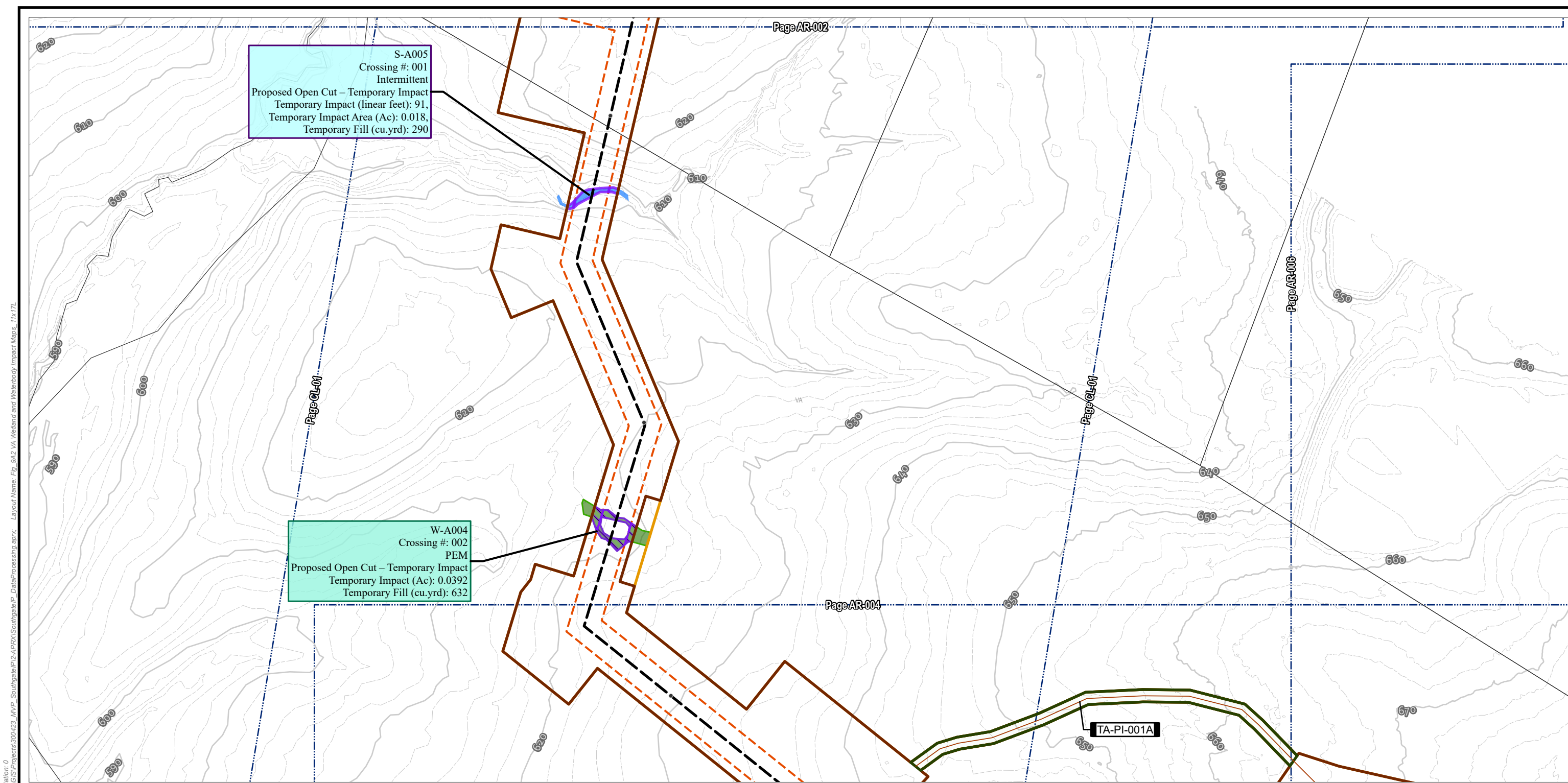
- ELEVATION - CONTOUR - INDEX
- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY



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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 63 AR-002
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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TENTH MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

INTERMITTENT SURFACE WATER

WETLAND IMPACT

TEMPORARY

PALUSTRINE EMERGENT

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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0

100

200

1:2,400

FEET

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

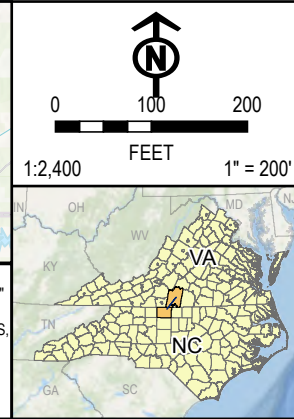
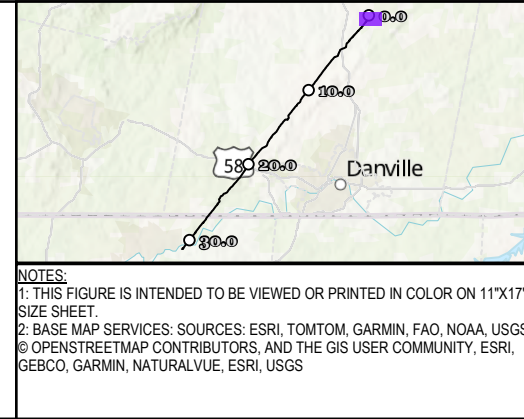
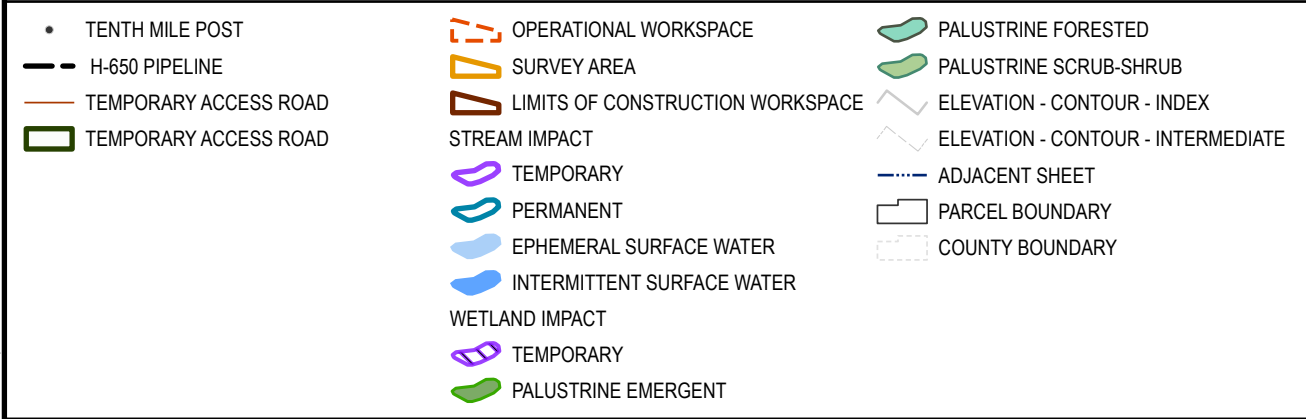
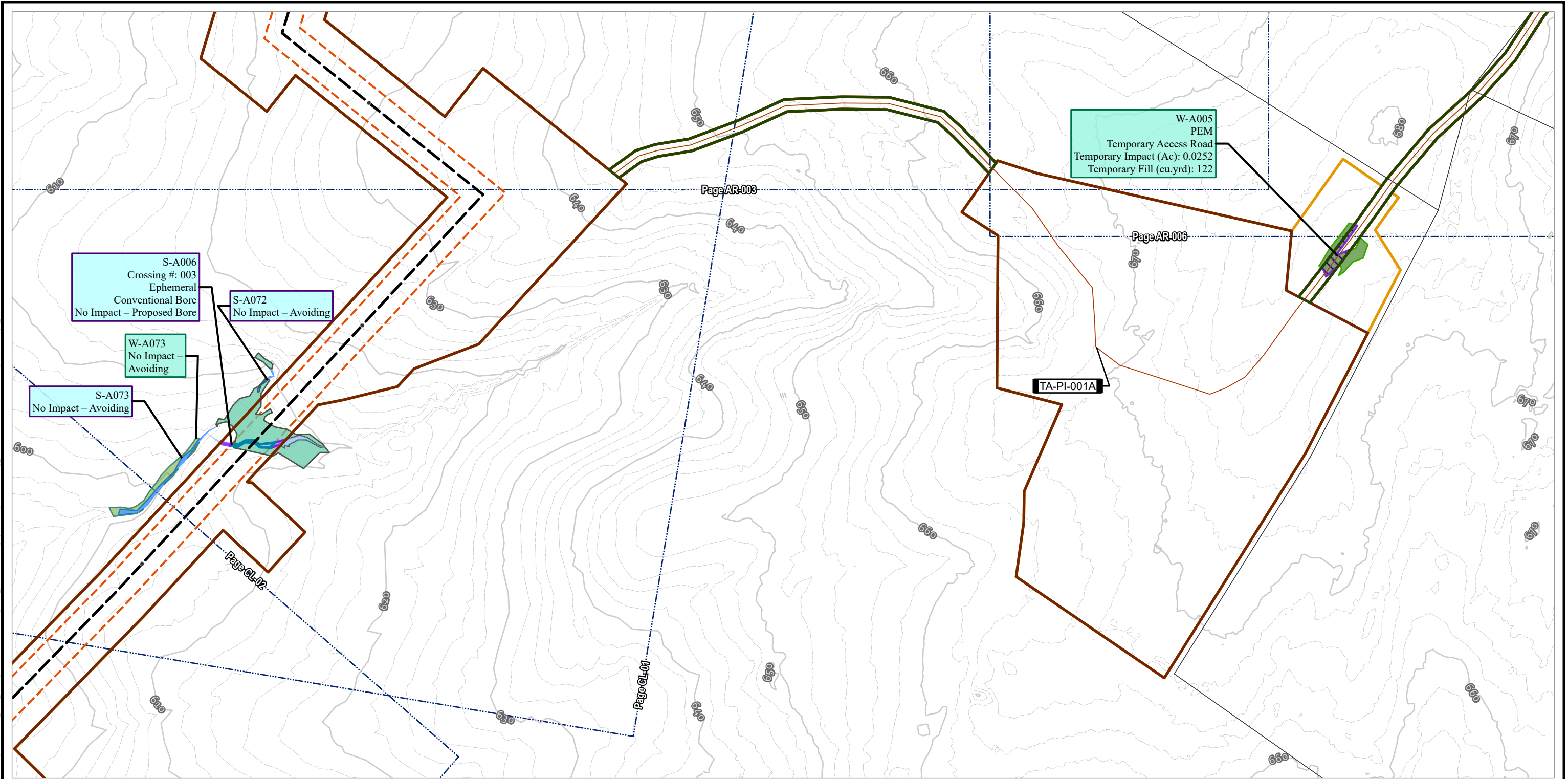
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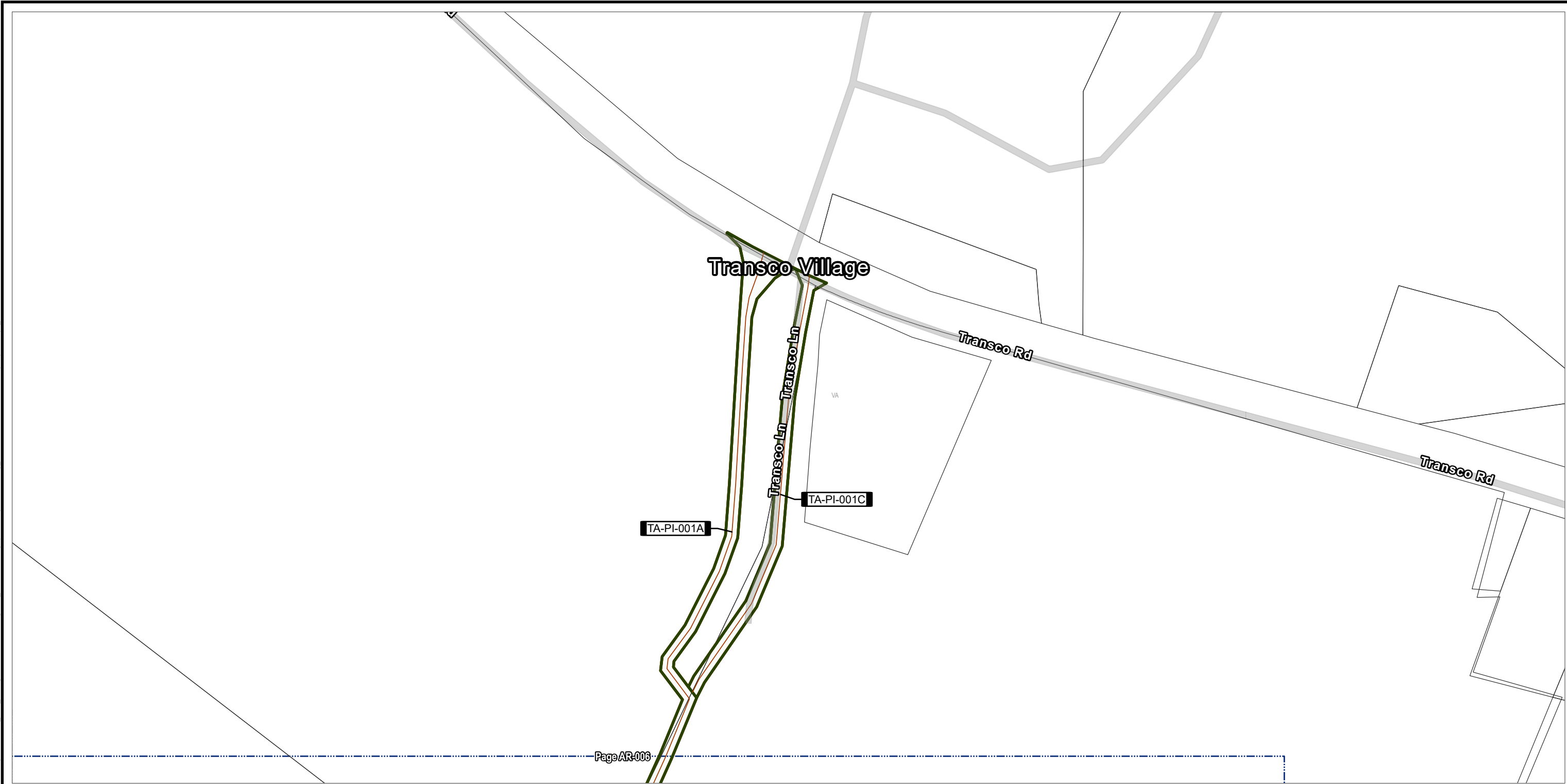
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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT		
DRAWN BY: J. THOMAS	PROJ. NO.: 300423	PAGE: 65 AR-004
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APPROVED BY: M. TACKEL		
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TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

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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

CHECKED BY: A. HORRIE

APPROVED BY: M. TACKEL

DATE: APRIL 2025

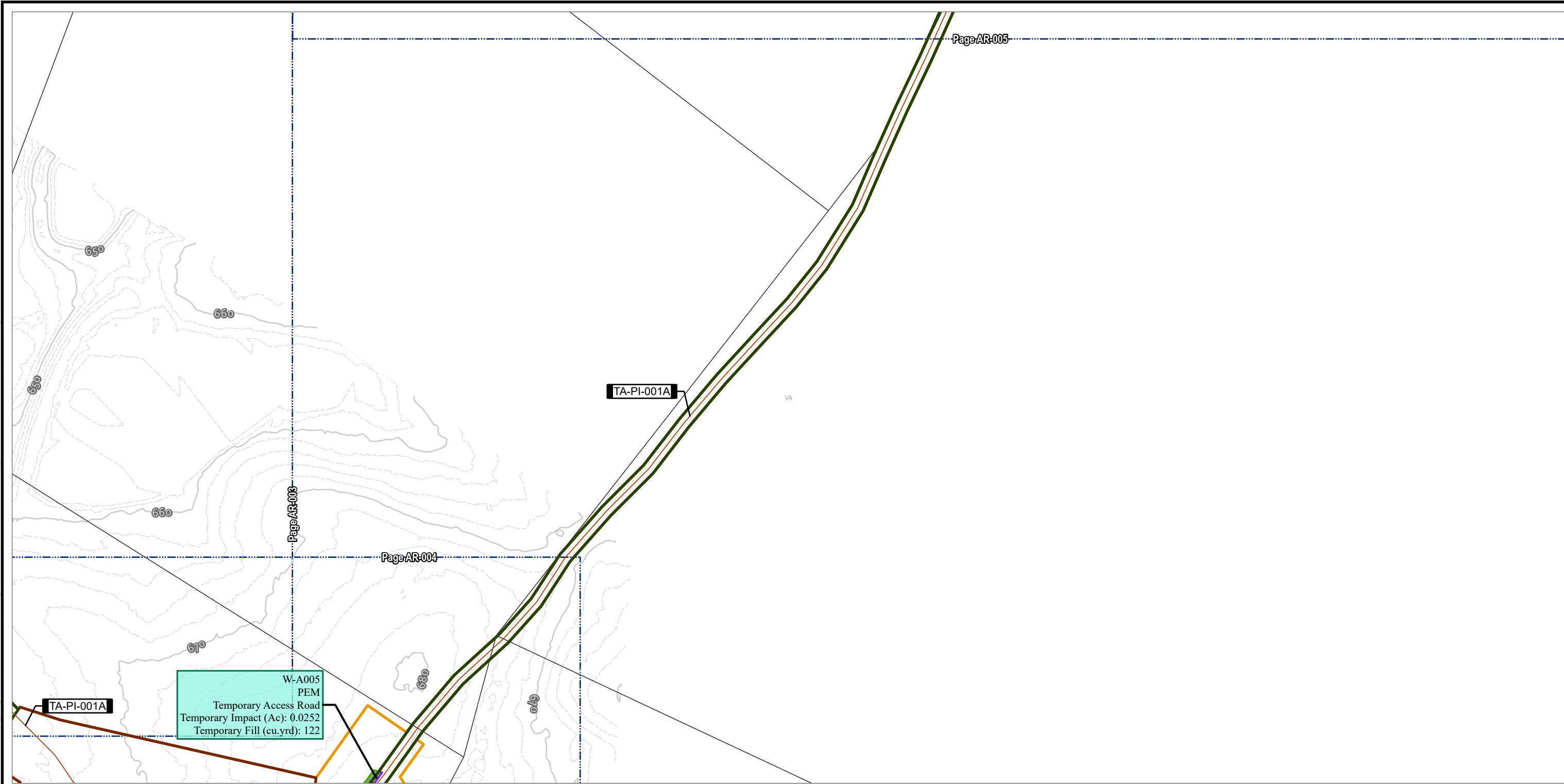
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PAGE: 66
AR-005

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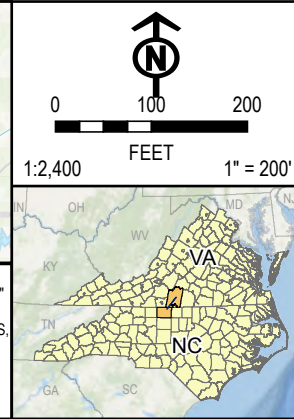
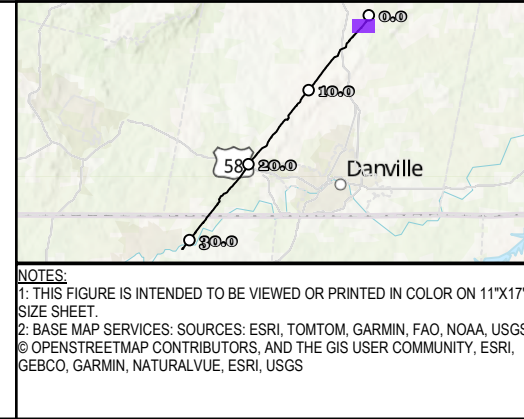
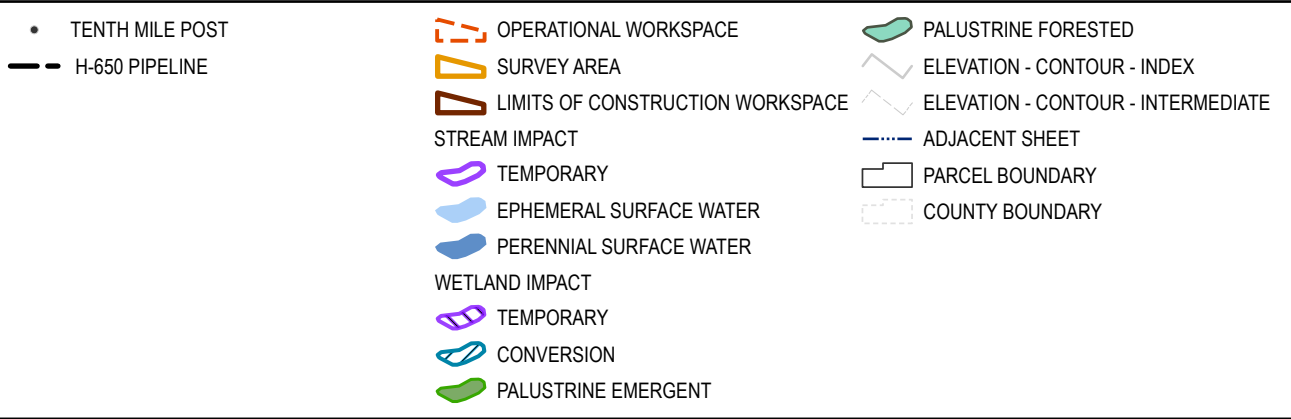
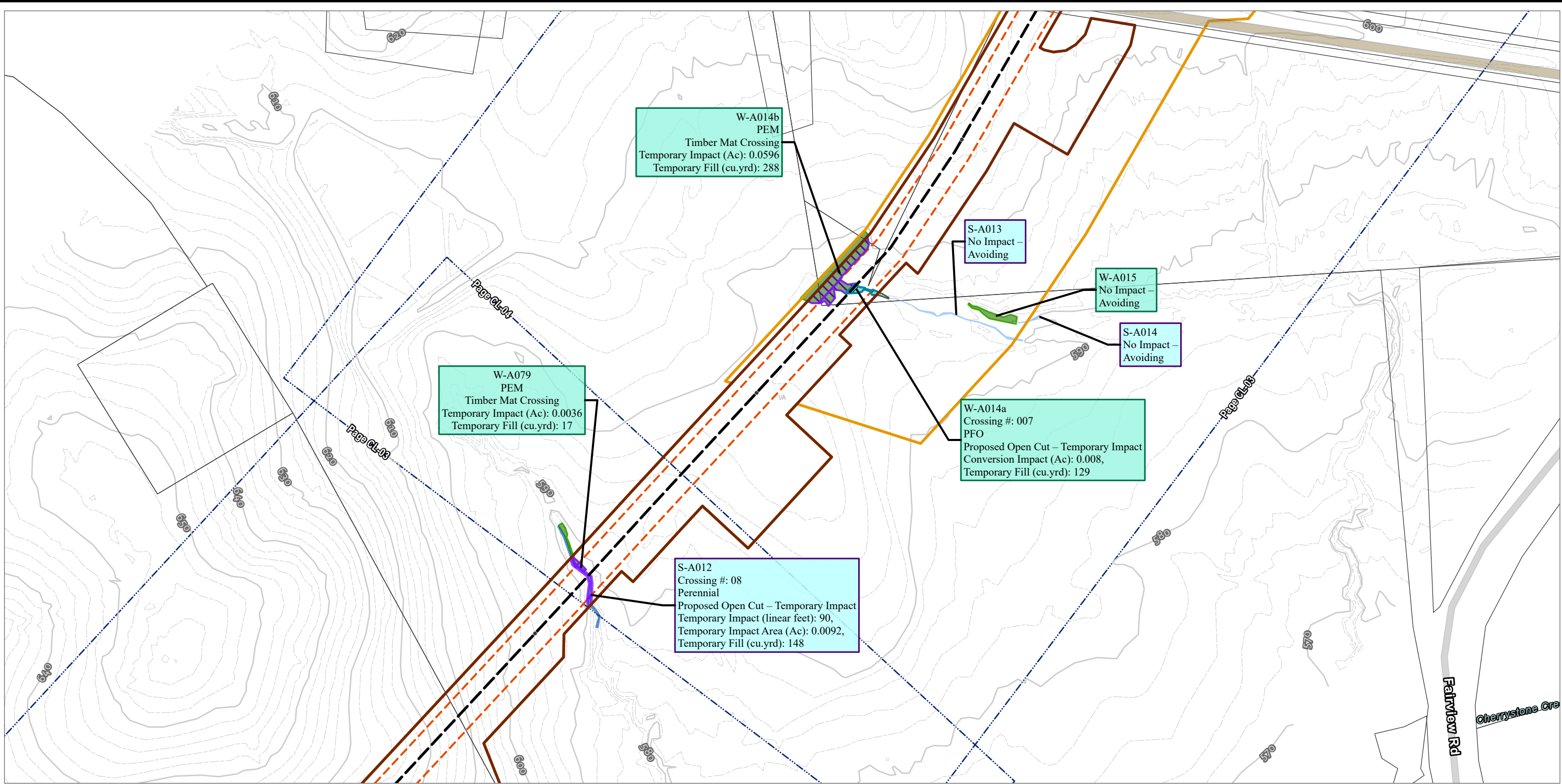
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	WETLAND IMPACT	ADJACENT SHEET
	TEMPORARY	PARCEL BOUNDARY
	PALUSTRINE EMERGENT	COUNTY BOUNDARY

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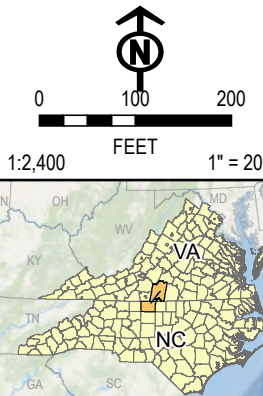
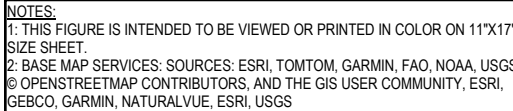
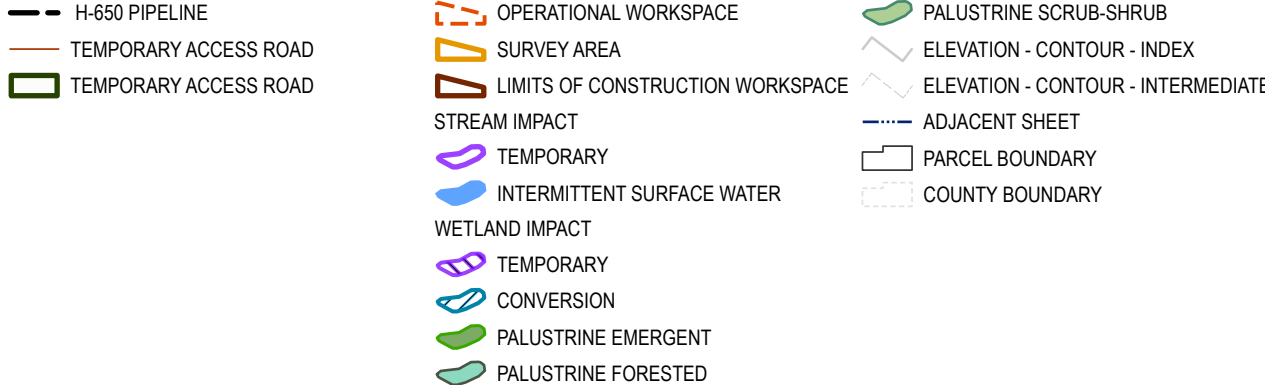
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1:2,400 1" = 200'

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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT		
DRAWN BY: J. THOMAS	PROJ. NO.: 300423	PAGE: 67 AR-006
CHECKED BY: A. HORRIE		
APPROVED BY: M. TACKEL		
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FILE: SOUTHGATEIP_DATAPROCESSING.APRX		

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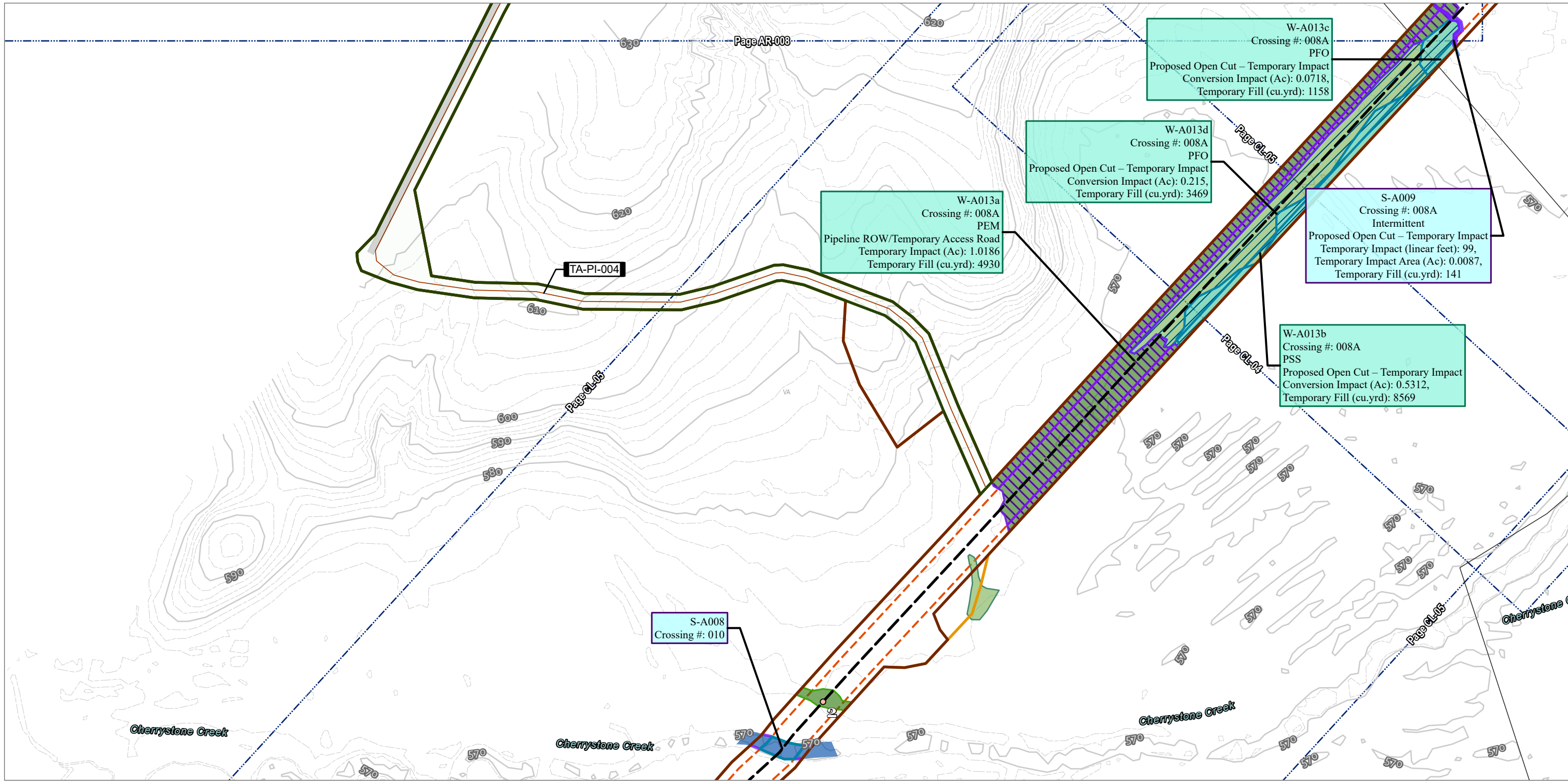


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT			
DRAWN BY: J. THOMAS	PROJ. NO.: 300423		
CHECKED BY: A. HORRIE	PAGE: 68 AR-007		
APPROVED BY: M. TACKEL			
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PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
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APPROVED BY: M. TACKEL	
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TENTH MILE POST

MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

STREAM IMPACT

TEMPORARY

PERMANENT

INTERMITTENT SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

TEMPORARY

CONVERSION

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'

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: 70
AR-009

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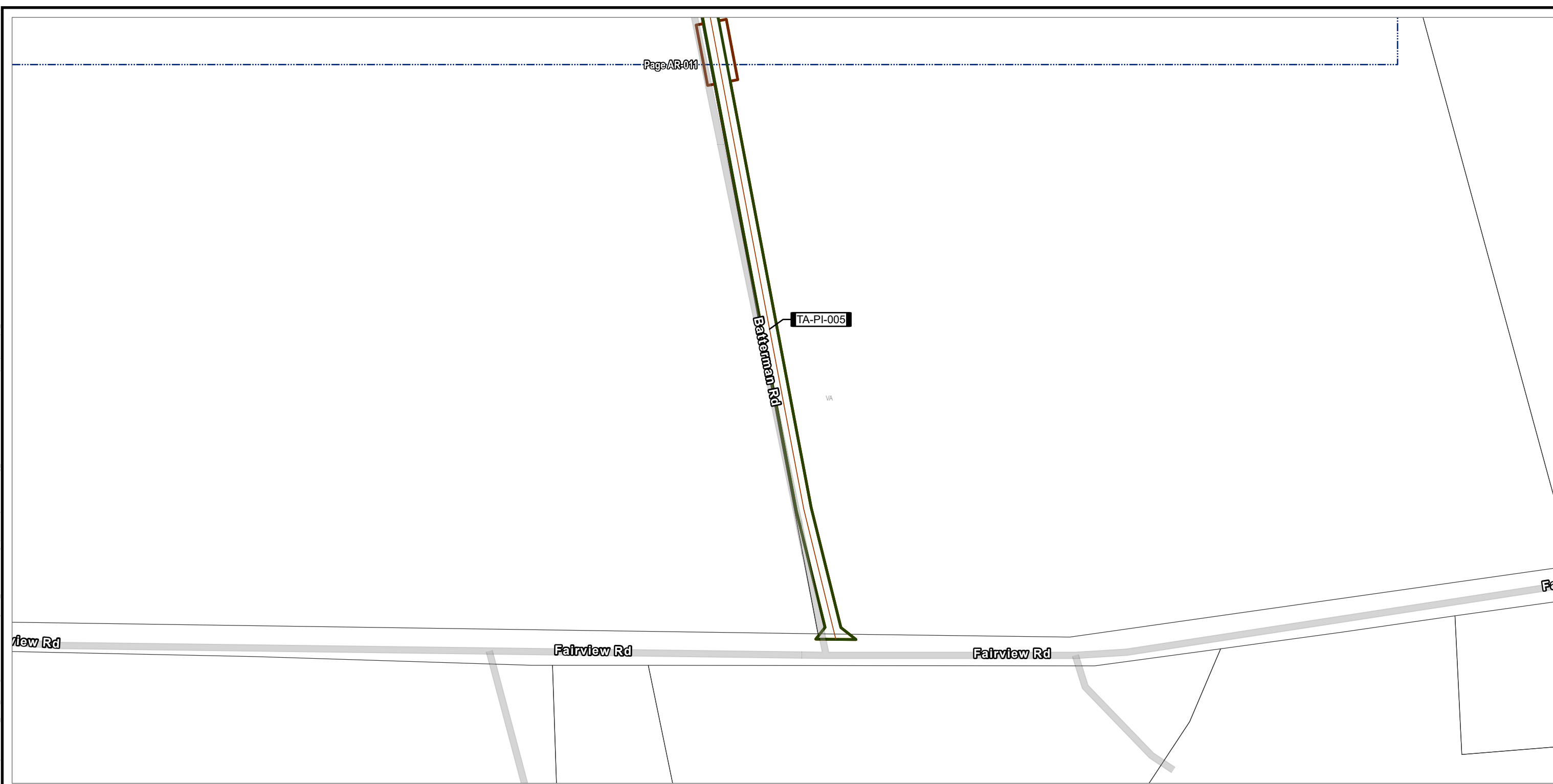
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— TEMPORARY ACCESS ROAD

— TEMPORARY ACCESS ROAD

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

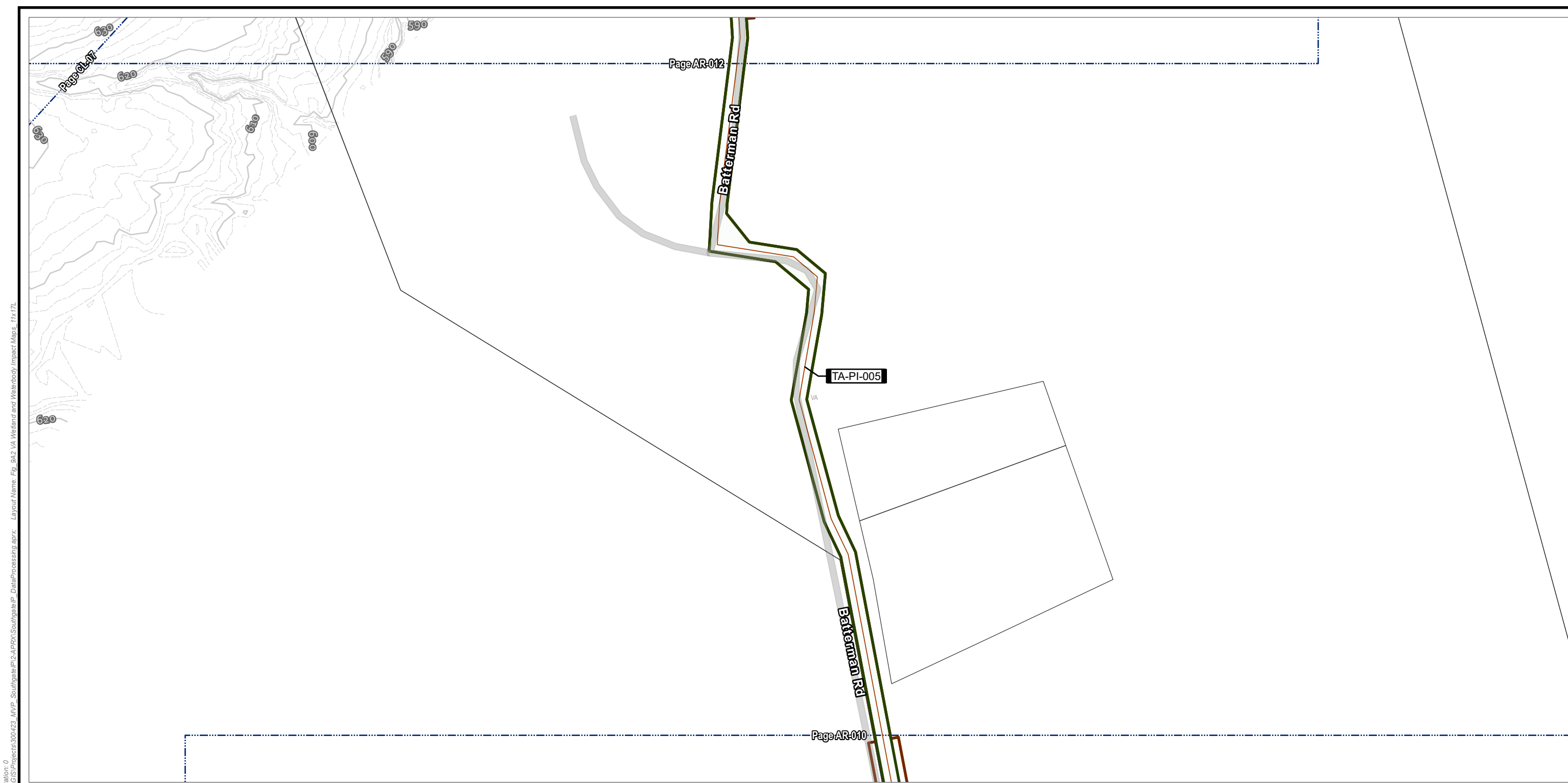
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1:2,400 1" = 200'

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: 71 AR-010
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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FILE: SOUTHGATEIP_DATAPROCESSING.APRX	



- TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD
- SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE
- ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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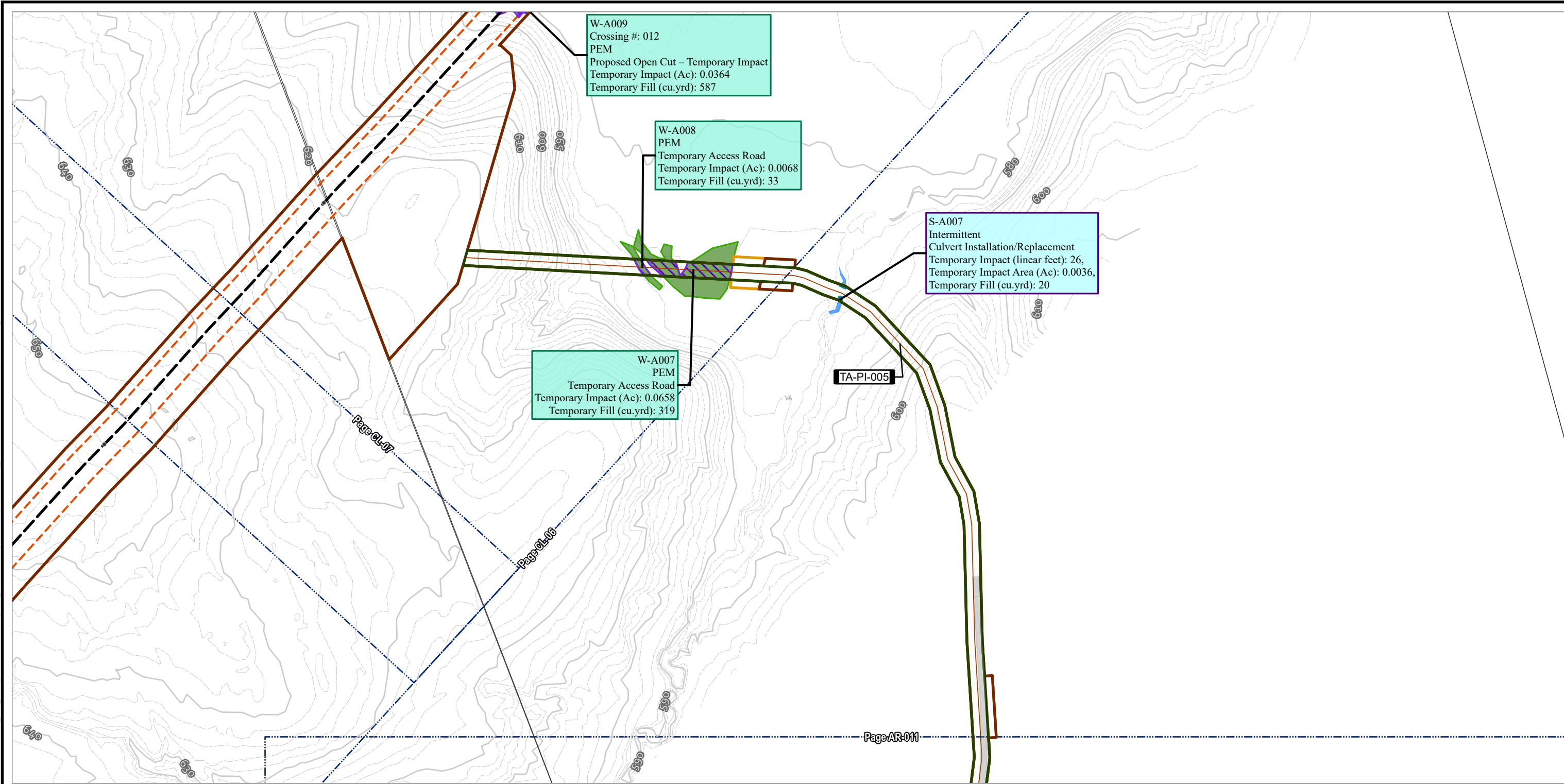
FEET

1:2,4001" = 200'

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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 72 AR-011
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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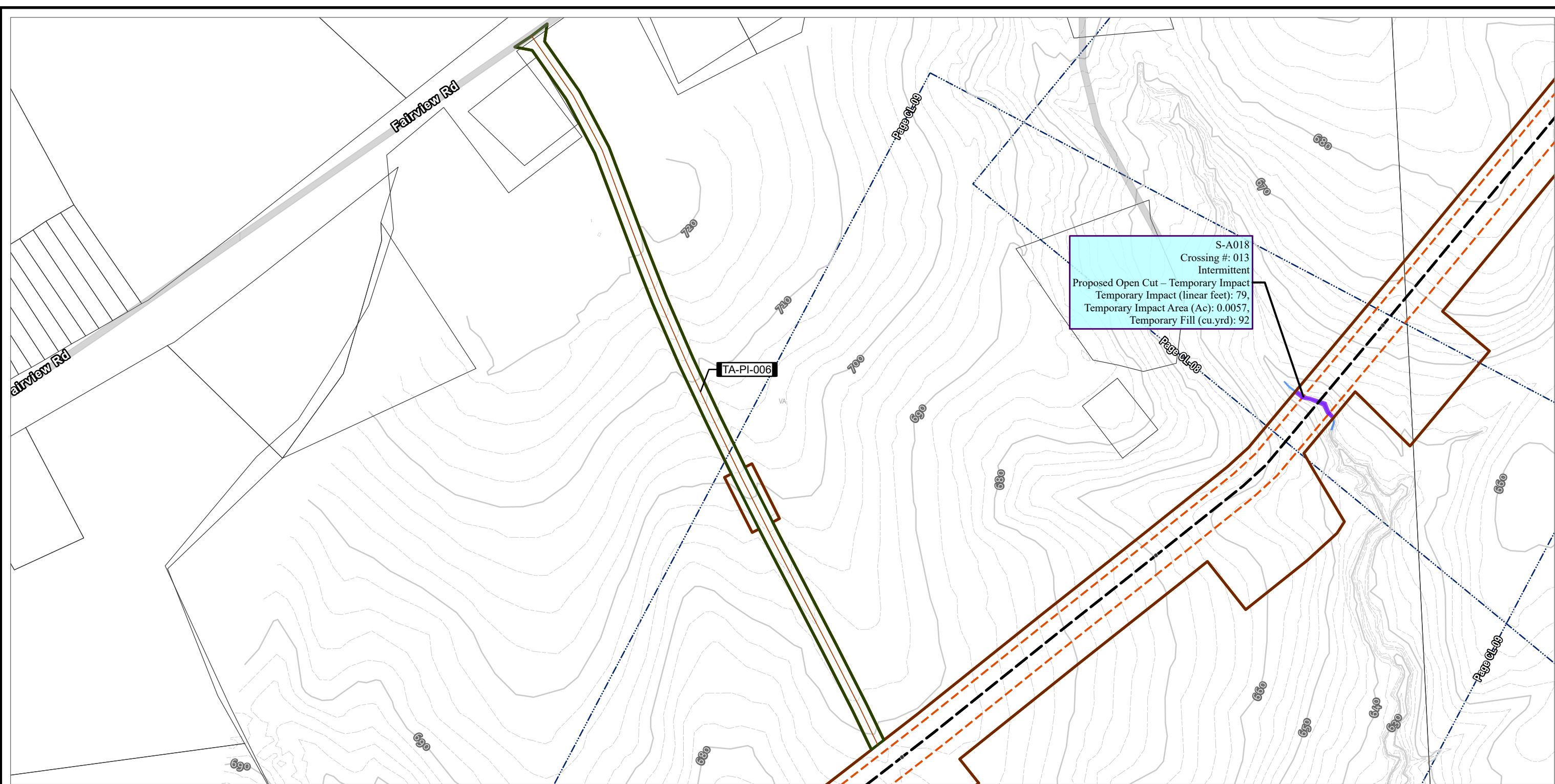
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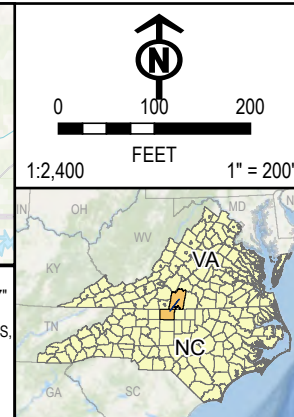
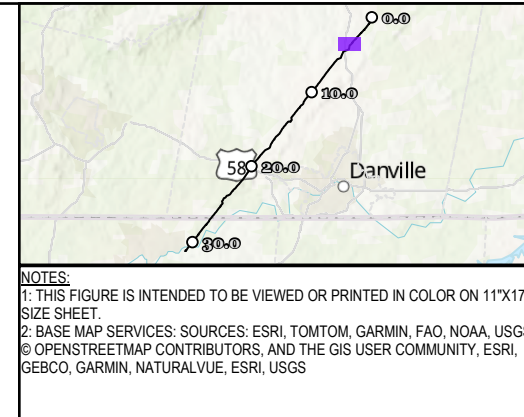
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PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 73 AR-012
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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FILE:	SOUTHGATEIP_DATAPROCESSING.APRX

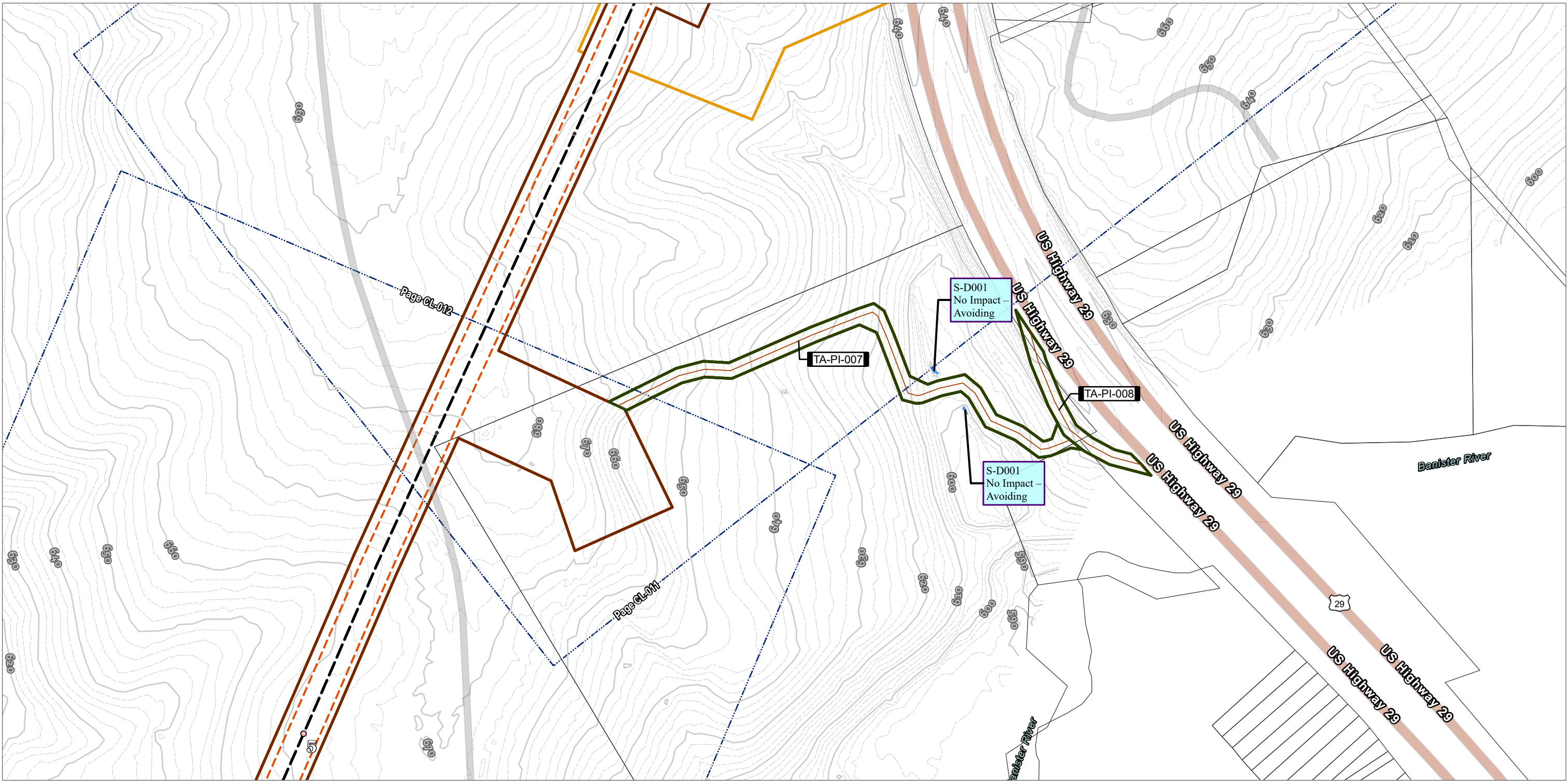


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|  H-650 PIPELINE |  SURVEY AREA |  ELEVATION - CONTOUR - INTERMEDIATE |
|  TEMPORARY ACCESS ROAD |  LIMITS OF CONSTRUCTION WORKSPACE |  ADJACENT SHEET |
|  TEMPORARY ACCESS ROAD | STREAM IMPACT |  PARCEL BOUNDARY |
| |  TEMPORARY |  COUNTY BOUNDARY |
| |  INTERMITTENT SURFACE WATER | |



PROJECT:		MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE:		FIG A-2 VA WETLAND AND WATERBODY IMPACT	
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CHECKED BY:	A. HORRIE	PAGE: 74 AR-013	
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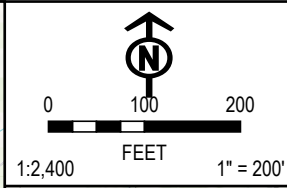
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- MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
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- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- INTERMITTENT SURFACE WATER

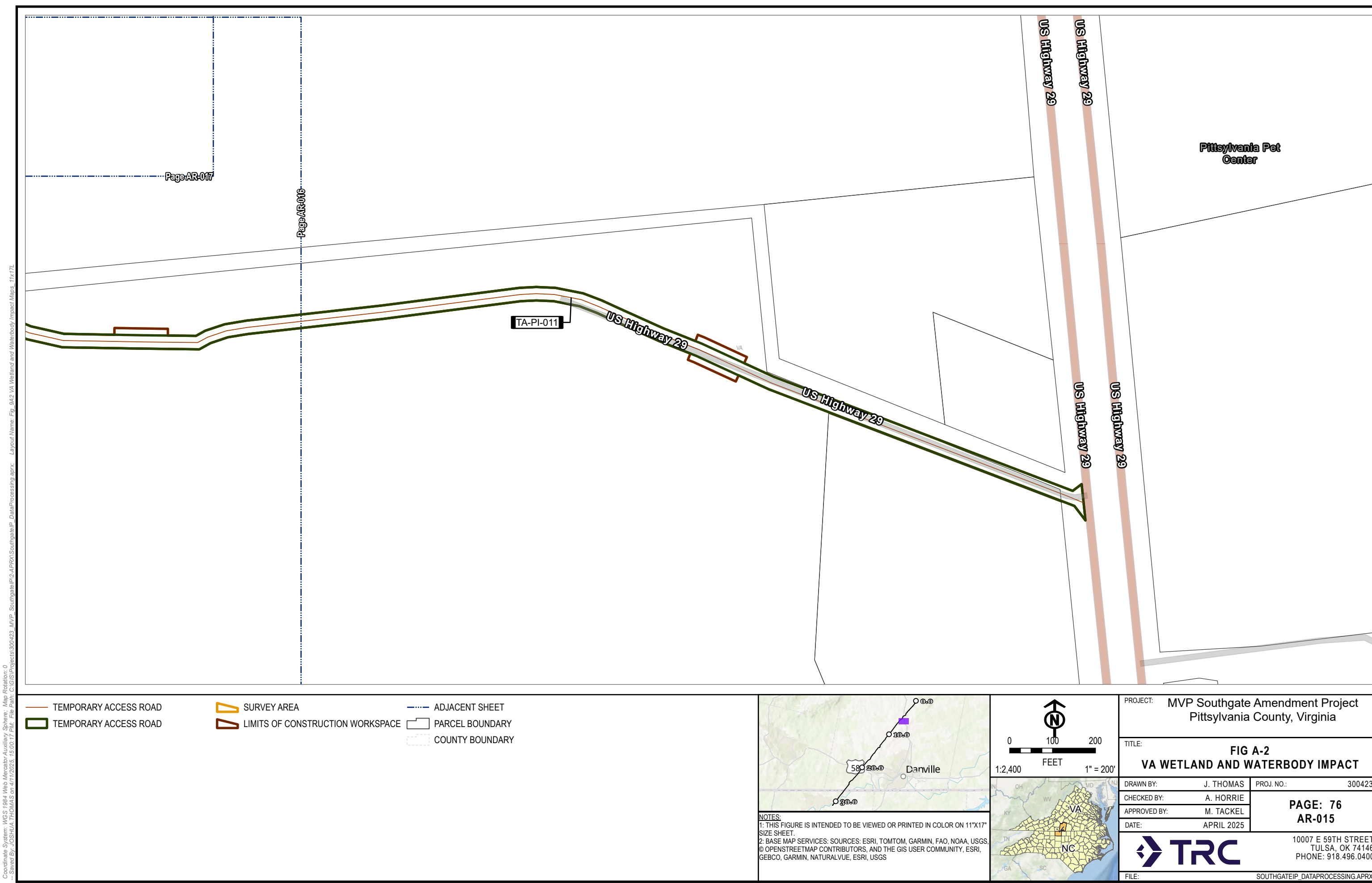
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- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY



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APPROVED BY: M. TACKEL	
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- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY

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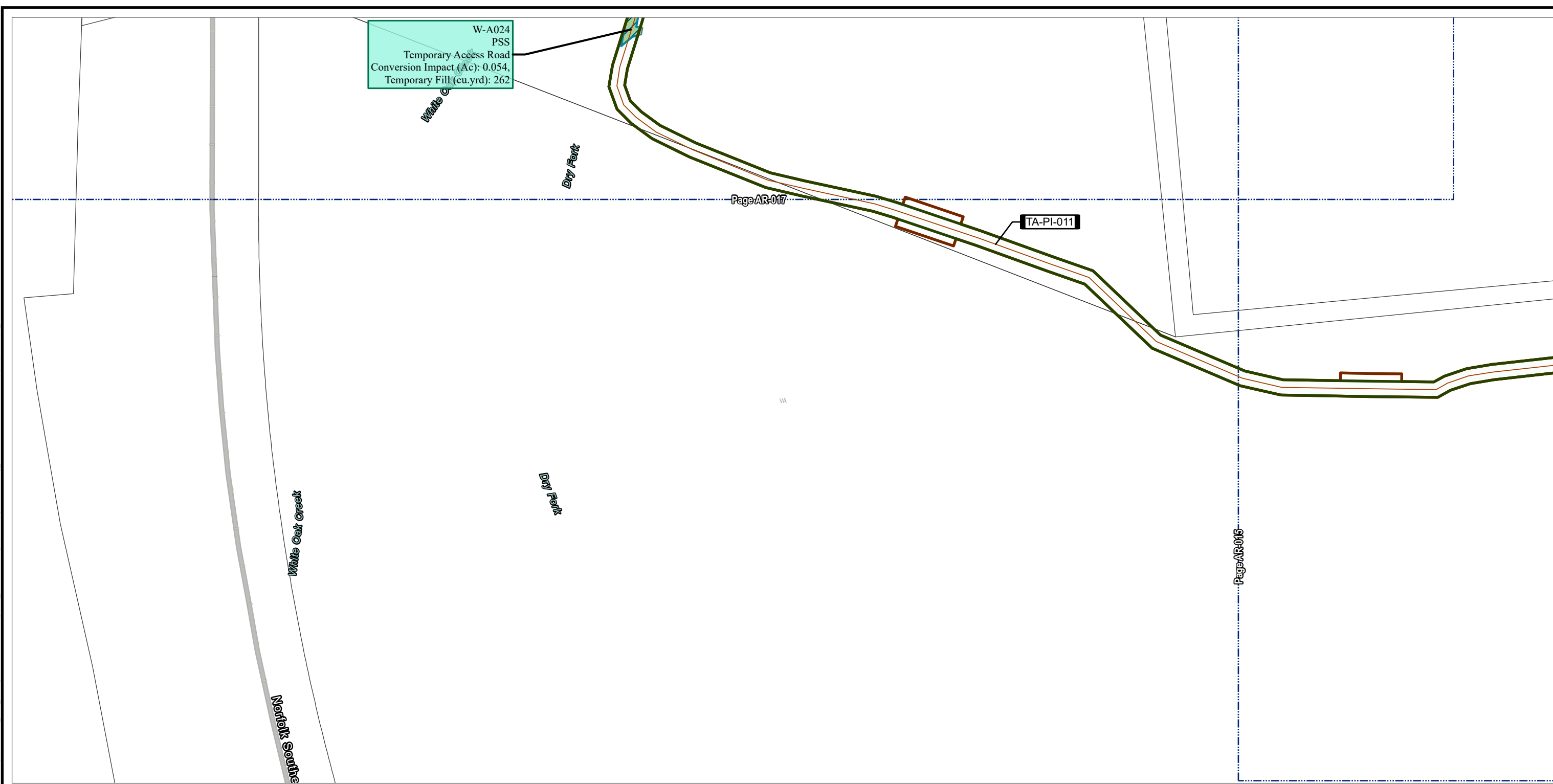
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1" = 200'

PROJECT:		MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE:		FIG A-2 VA WETLAND AND WATERBODY IMPACT	
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CHECKED BY:	A. HORRIE	PAGE: 76 AR-015	
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TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

WETLAND IMPACT

CONVERSION

PALUSTRINE SCRUB-SHRUB

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY

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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

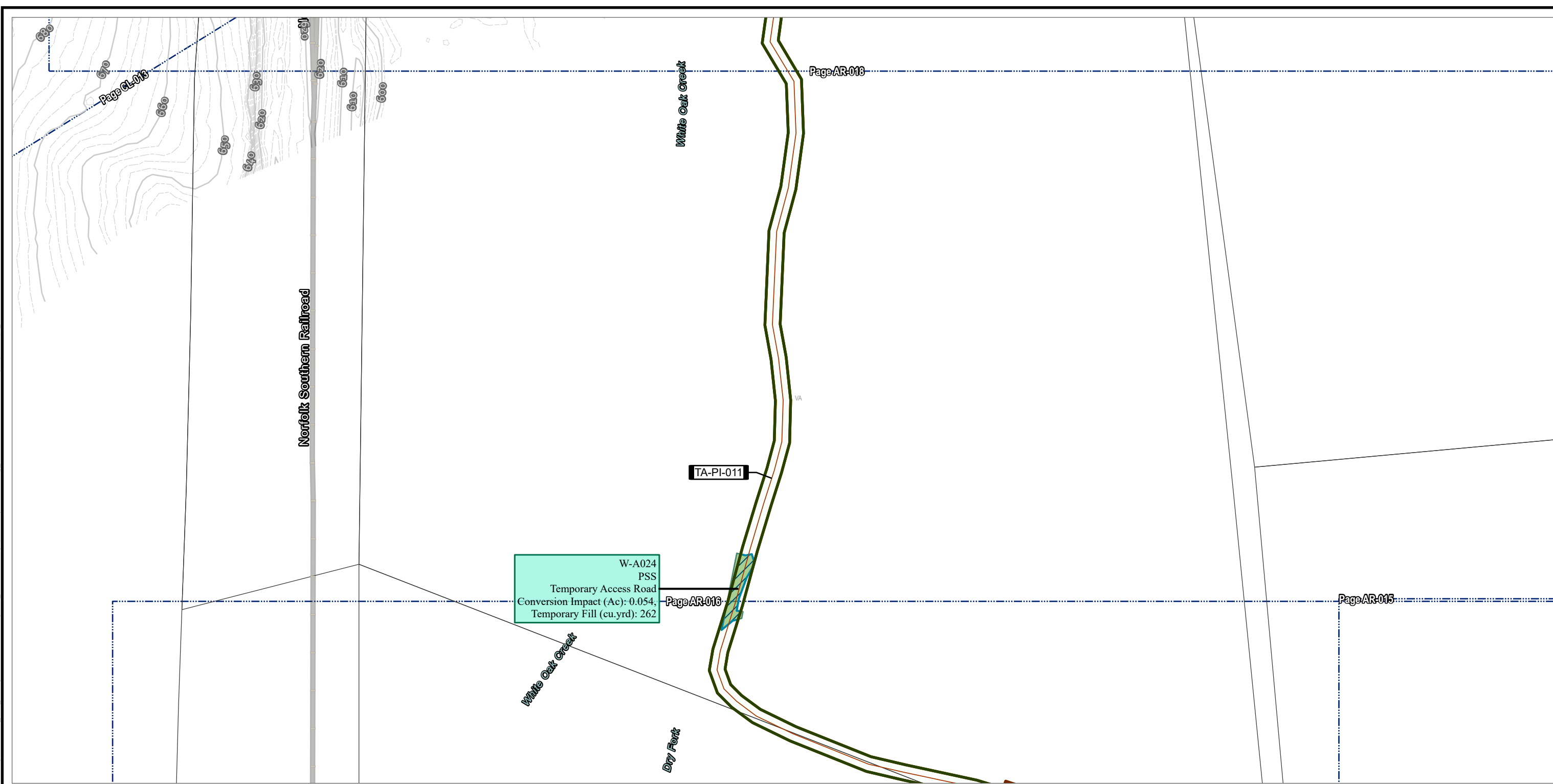
PROJ. NO.: 300423

PAGE: 77
AR-016

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TEMPORARY ACCESS ROAD	SURVEY AREA	ELEVATION - CONTOUR - INDEX
TEMPORARY ACCESS ROAD	LIMITS OF CONSTRUCTION WORKSPACE	ELEVATION - CONTOUR - INTERMEDIATE
	WETLAND IMPACT	ADJACENT SHEET
	CONVERSION	PARCEL BOUNDARY
	PALUSTRINE SCRUB-SHRUB	COUNTY BOUNDARY

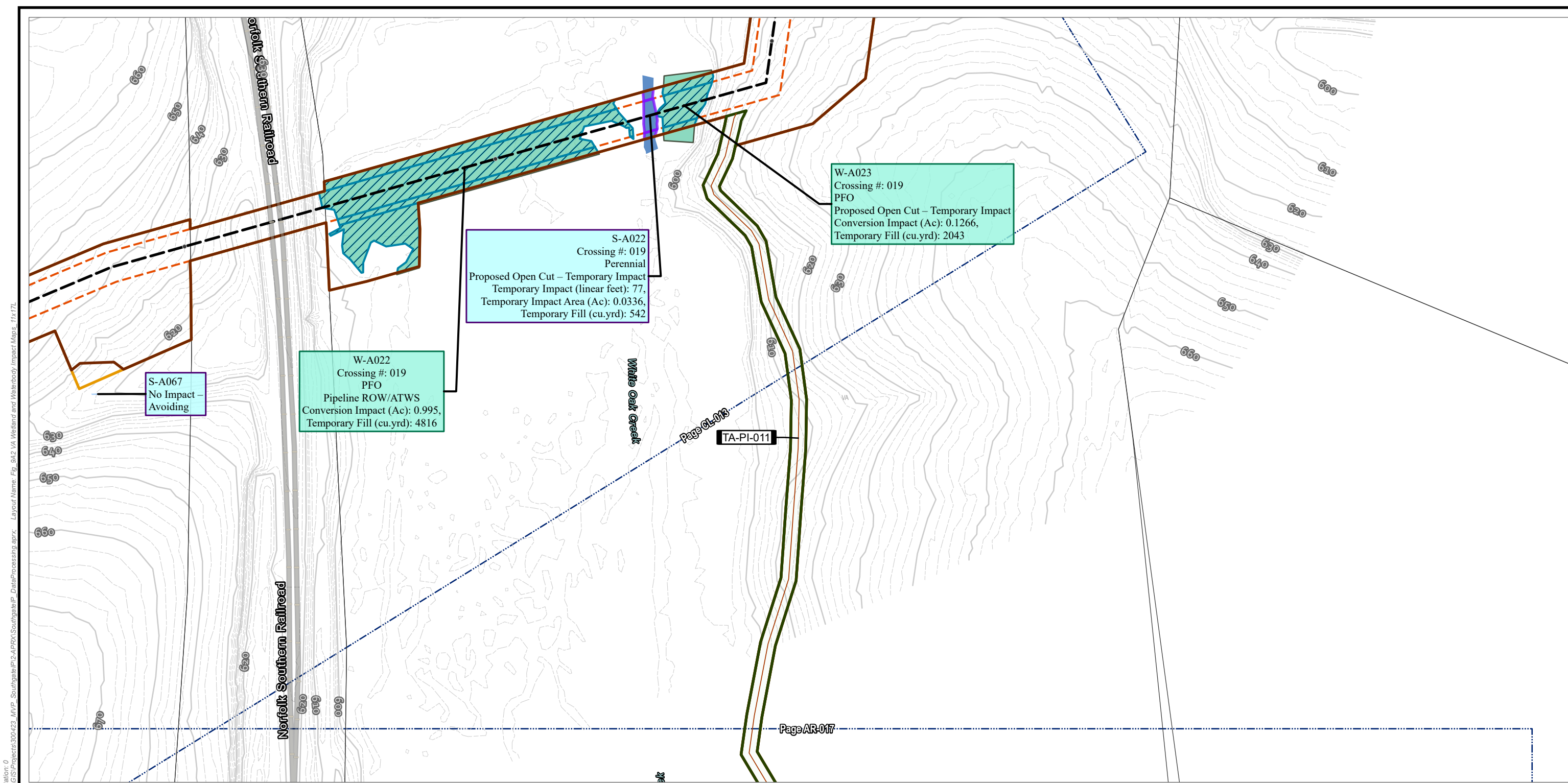
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0 100 200
FEET
1:2,400 1" = 200'

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: 78 AR-017
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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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

EPHEMERAL SURFACE WATER

PERENNIAL SURFACE WATER

WETLAND IMPACT

CONVERSION

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

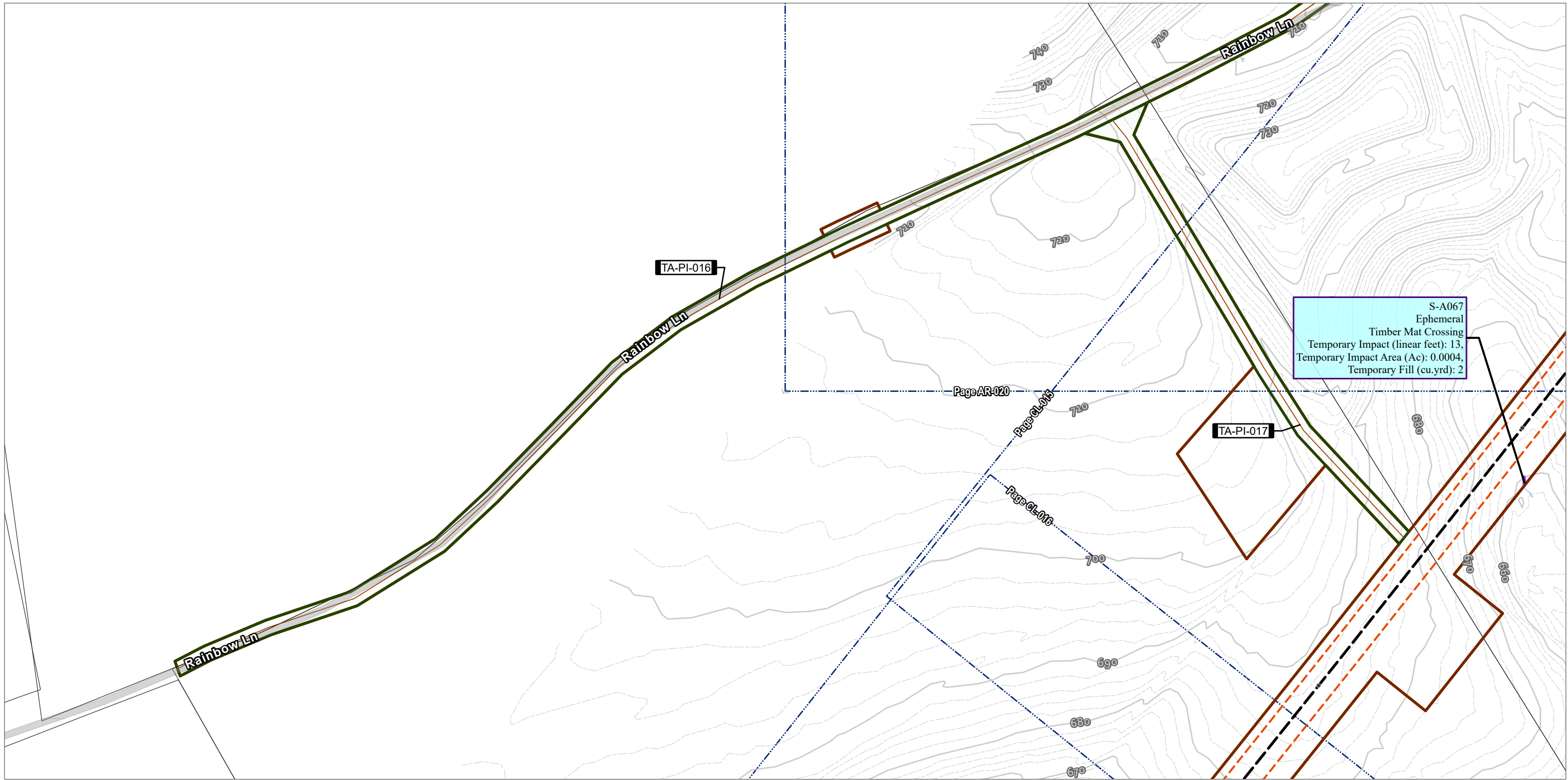
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ADJACENT SHEET

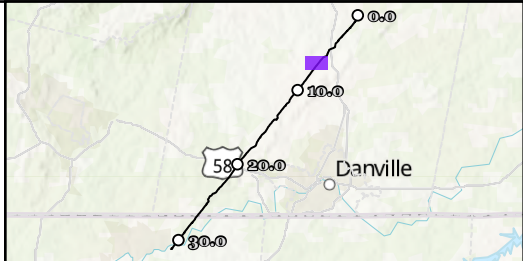
PARCEL BOUNDARY

COUNTY BOUNDARY
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| 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: 79
AR-018 |
| APPROVED BY: M. TACKEL | |
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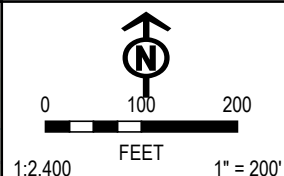
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|-----------------------|----------------------------------|------------------------------------|
| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| H-650 PIPELINE | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| TEMPORARY ACCESS ROAD | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| TEMPORARY ACCESS ROAD | STREAM IMPACT | PARCEL BOUNDARY |
| | TEMPORARY | COUNTY BOUNDARY |
| | EPHEMERAL SURFACE WATER | |

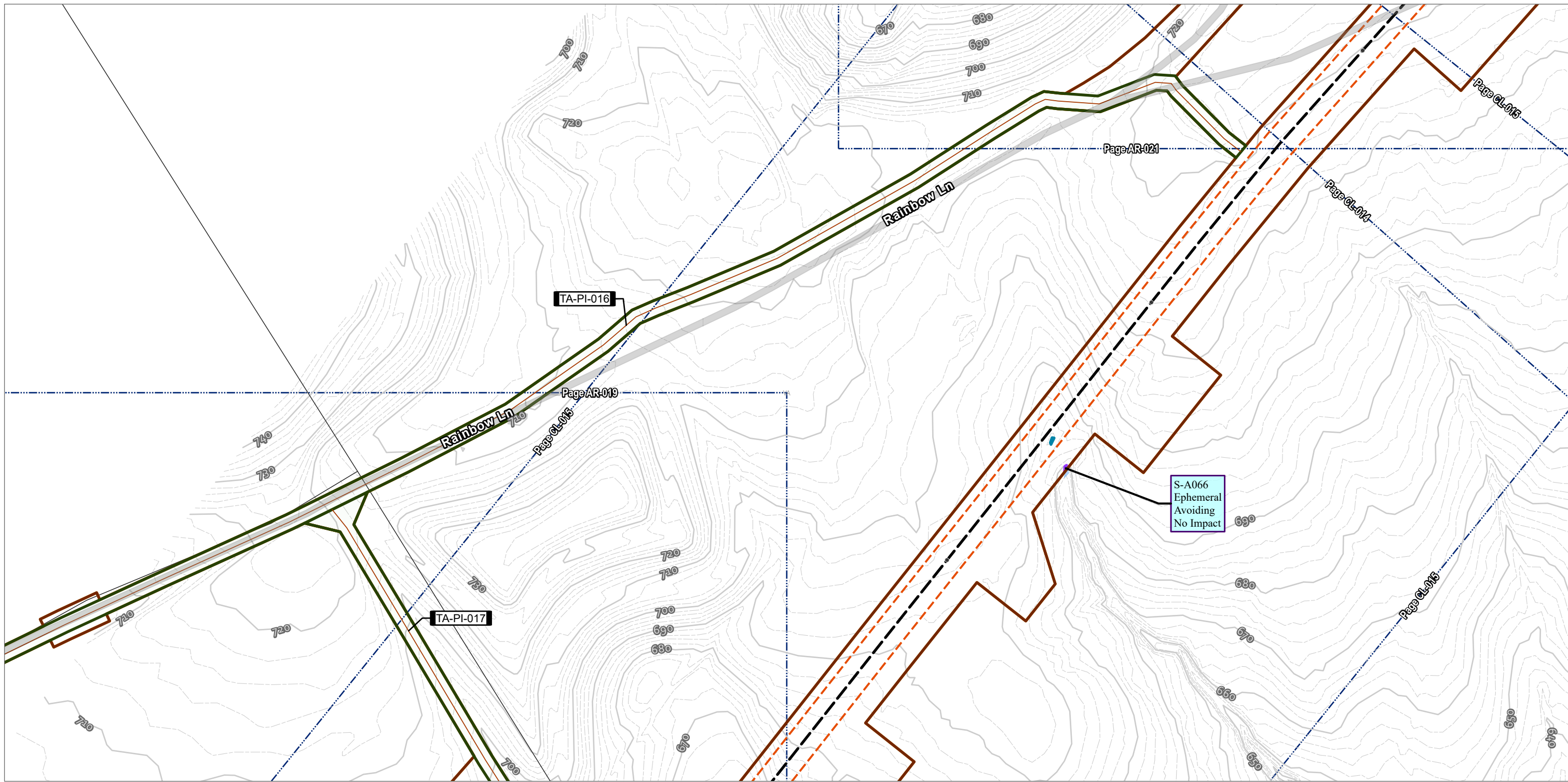


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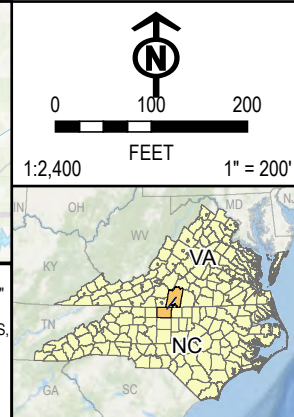
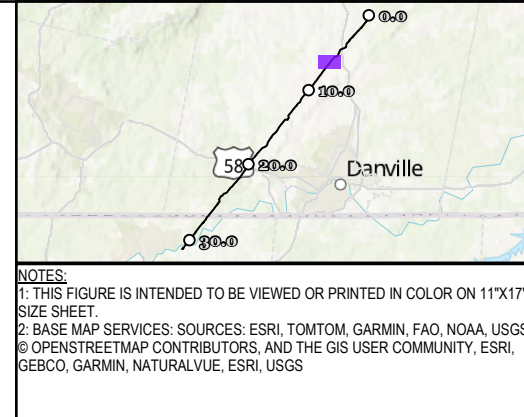


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT		
DRAWN BY: J. THOMAS	PROJ. NO.: 300423	PAGE: 80 AR-019
CHECKED BY: A. HORRIE		
APPROVED BY: M. TACKEL		
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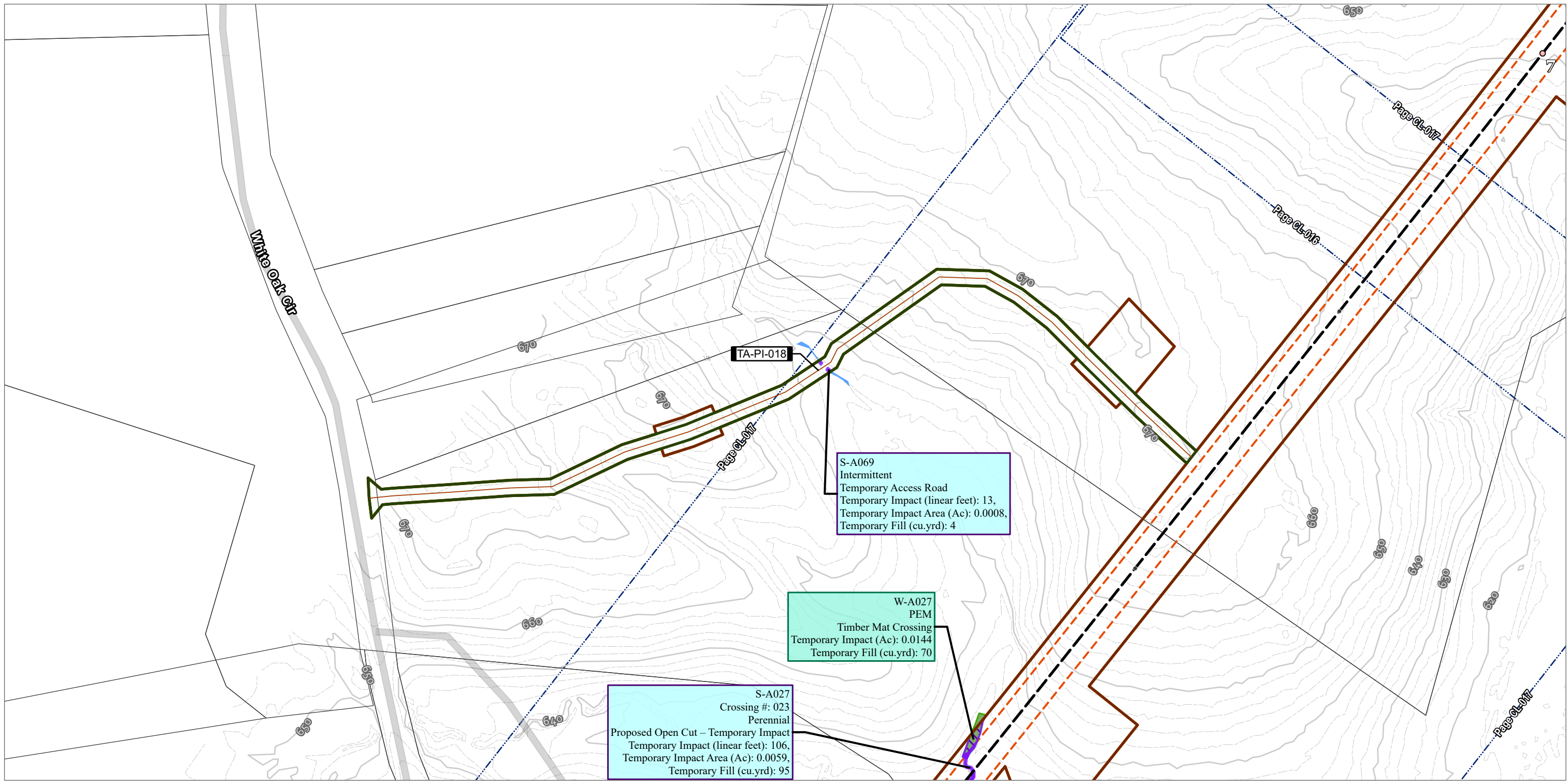


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| • TENTH MILE POST | OPERATIONAL WORKSPACE | ELEVATION - CONTOUR - INDEX |
| --- H-650 PIPELINE | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| --- TEMPORARY ACCESS ROAD | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
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|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

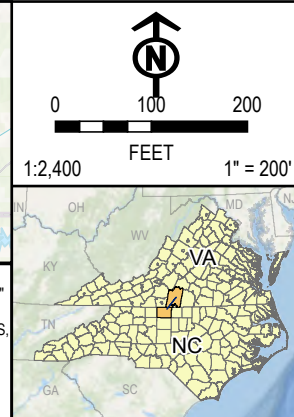
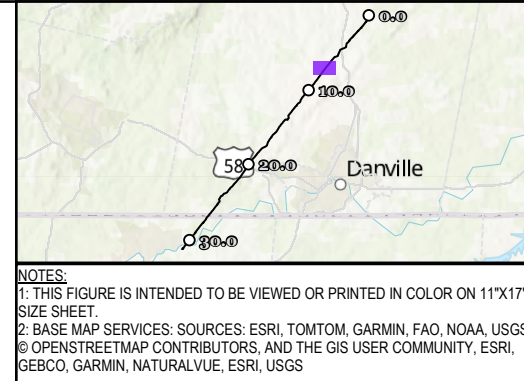


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT		
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APPROVED BY: M. TACKEL		
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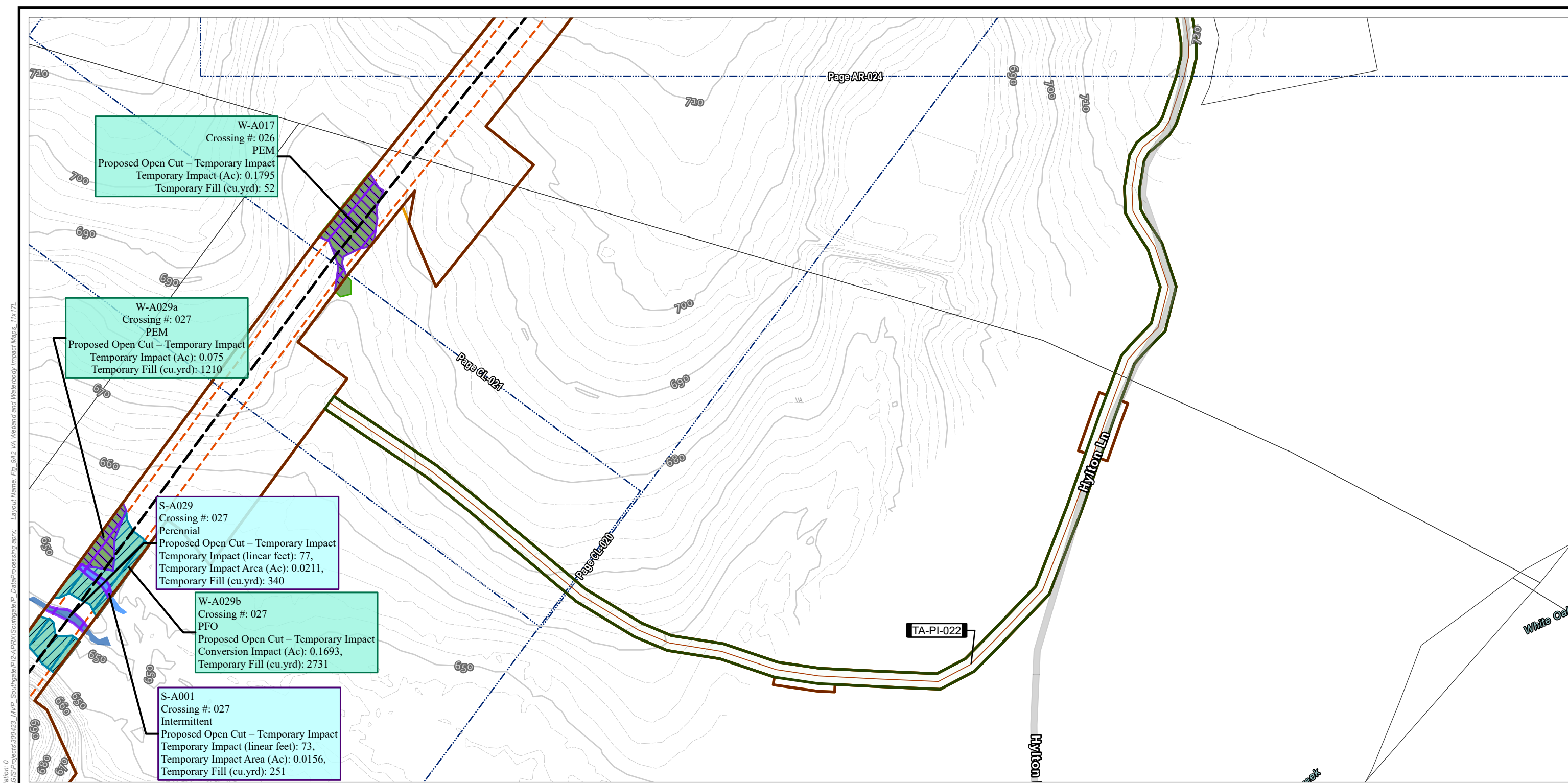


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| ○ MILE POST | SURVEY AREA | ELEVATION - CONTOUR - INTERMEDIATE |
| --- H-650 PIPELINE | LIMITS OF CONSTRUCTION WORKSPACE | ADJACENT SHEET |
| --- TEMPORARY ACCESS ROAD | STREAM IMPACT | PARCEL BOUNDARY |
| TEMPORARY ACCESS ROAD | TEMPORARY | COUNTY BOUNDARY |
| | INTERMITTENT SURFACE WATER | |
| | PERENNIAL SURFACE WATER | |
| | WETLAND IMPACT | |
| | TEMPORARY | |
| | PALUSTRINE EMERGENT | |

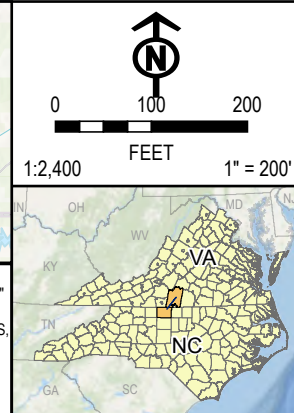
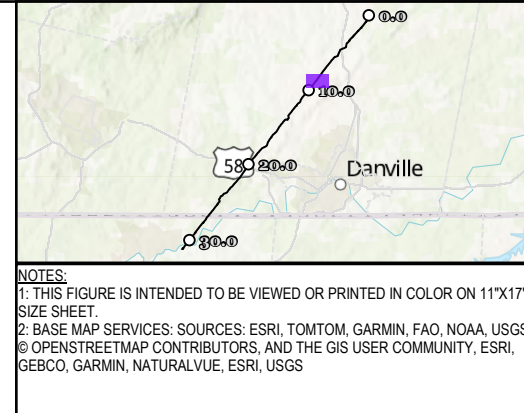


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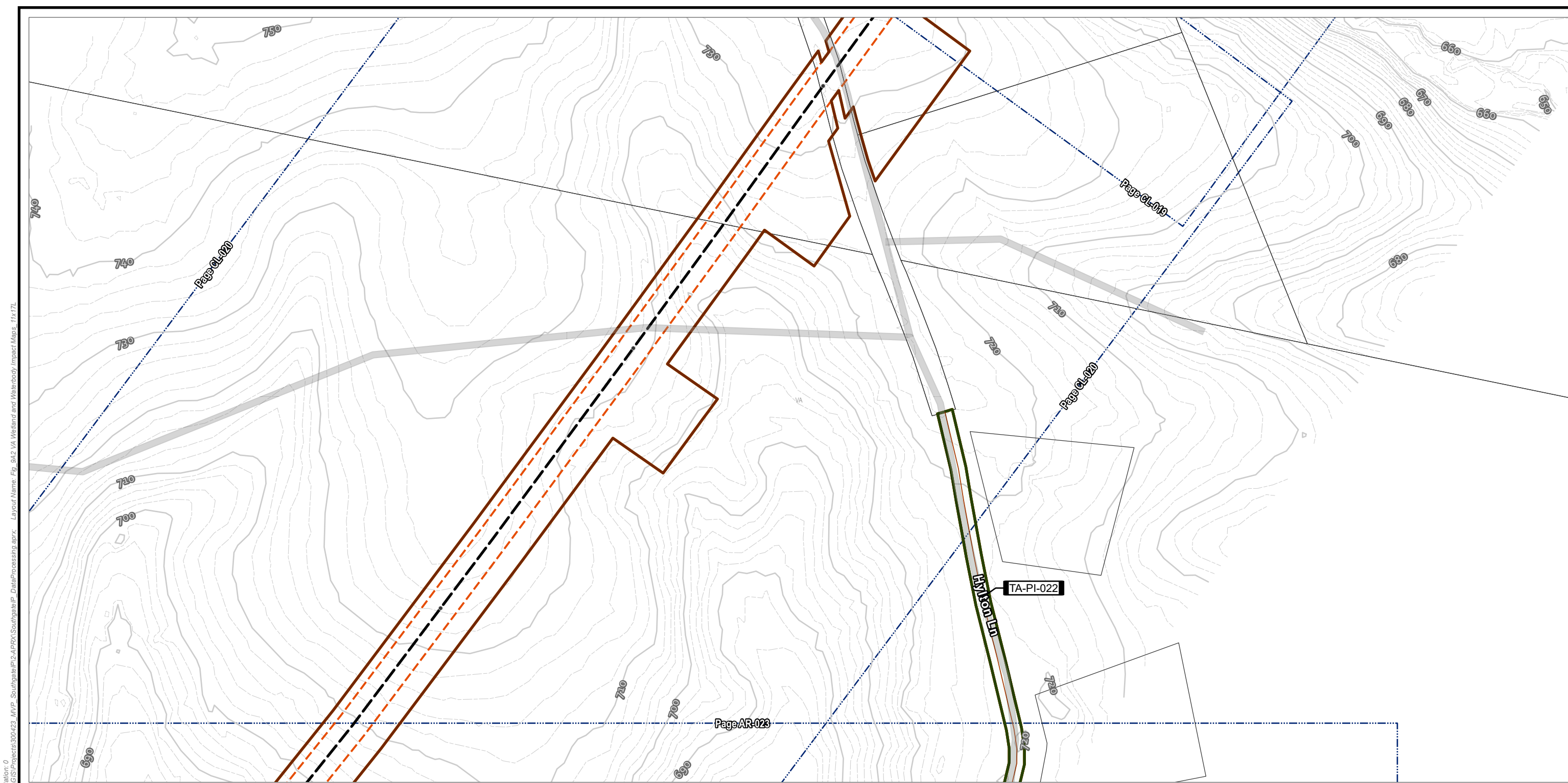


- TENTH MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- STREAM IMPACT
 - TEMPORARY
 - INTERMITTENT SURFACE WATER
 - PERENNIAL SURFACE WATER
- WETLAND IMPACT
 - TEMPORARY
 - CONVERSION
 - PALUSTRINE EMERGENT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



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APPROVED BY: M. TACKEL	
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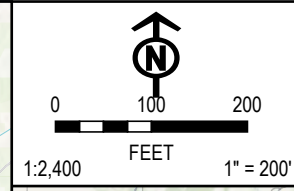
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- TENTH MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- ELEVATION - CONTOUR - INDEX
- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- PARCEL BOUNDARY
- COUNTY BOUNDARY

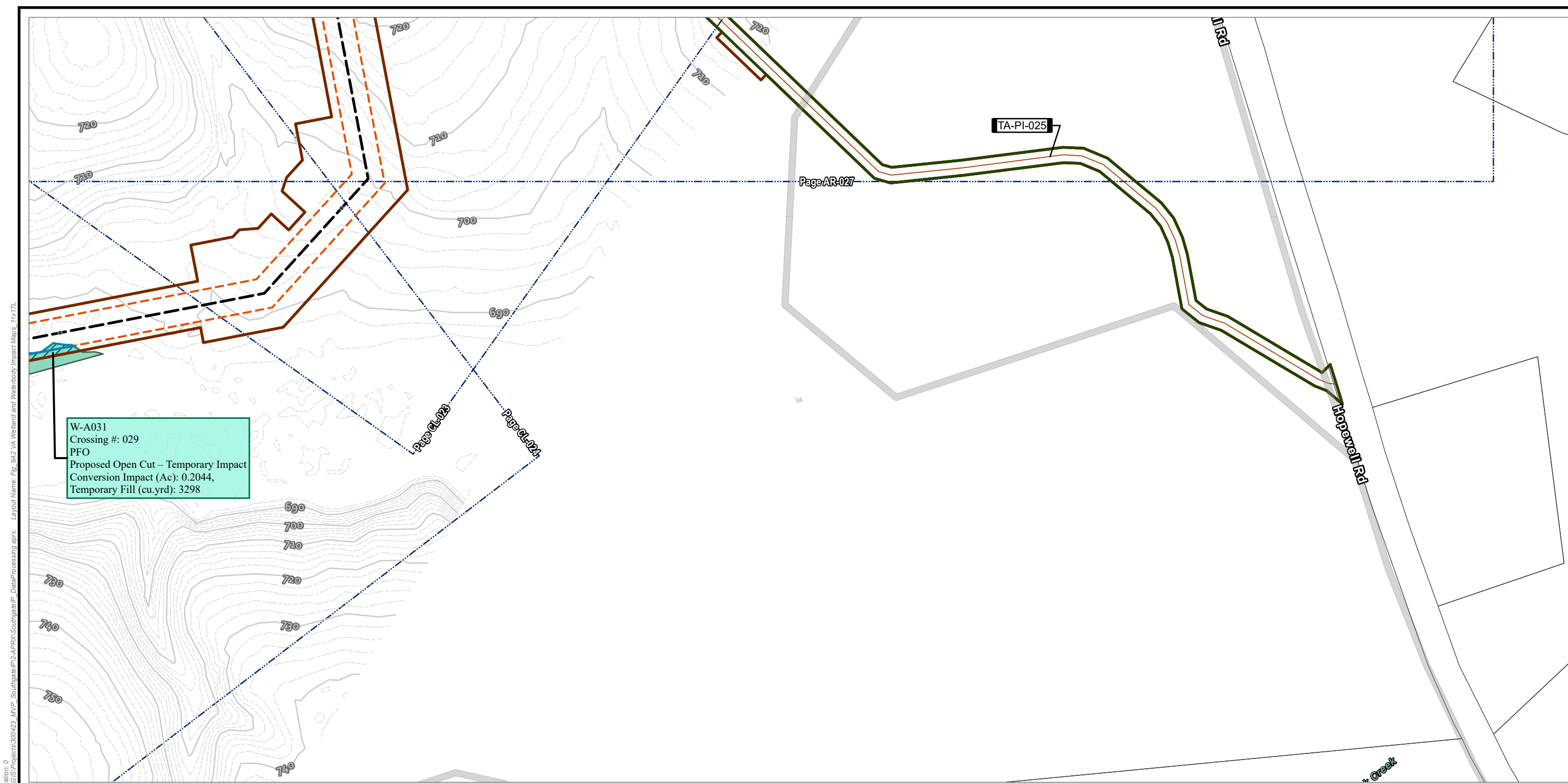


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
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APPROVED BY: M. TACKEL	
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- TENTH MILE POST

H-650 PIPELINE

TEMPORARY ACCESS ROAD

TEMPORARY ACCESS ROAD

OPERATIONAL WORKSPACE

SURVEY AREA

LIMITS OF CONSTRUCTION WORKSPACE

WETLAND IMPACT

CONVERSION

PALUSTRINE FORESTED

ELEVATION - CONTOUR - INDEX

ELEVATION - CONTOUR - INTERMEDIATE

ADJACENT SHEET

PARCEL BOUNDARY

COUNTY BOUNDARY
- NOTES:

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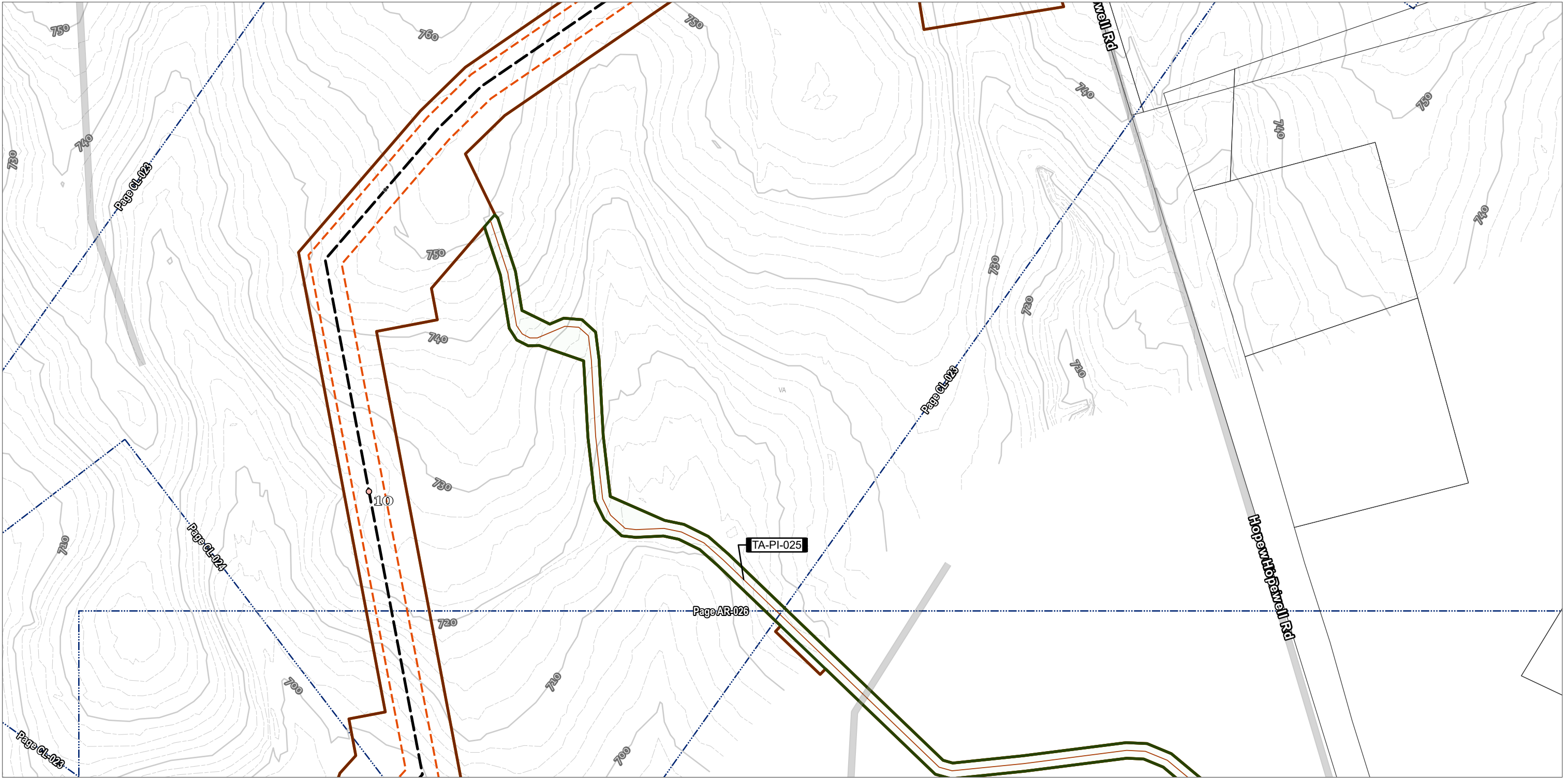
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1:2,400

FEET

1" = 200'
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Pittsylvania County, Virginia | | | |
| TITLE: FIG A-2
VA WETLAND AND WATERBODY IMPACT | | | |
| DRAWN BY: J. THOMAS | PROJ. NO.: 300423 | | |
| CHECKED BY: A. HORRIE | PAGE: 87
AR-026 | | |
| APPROVED BY: M. TACKEL | | | |
| DATE: APRIL 2025 | | | |
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TULSA, OK 74146
PHONE: 918.496.0400 | |
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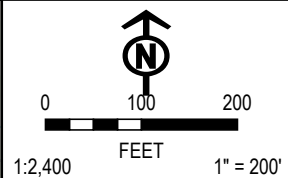
- TENTH MILE POST
- MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD

- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE

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

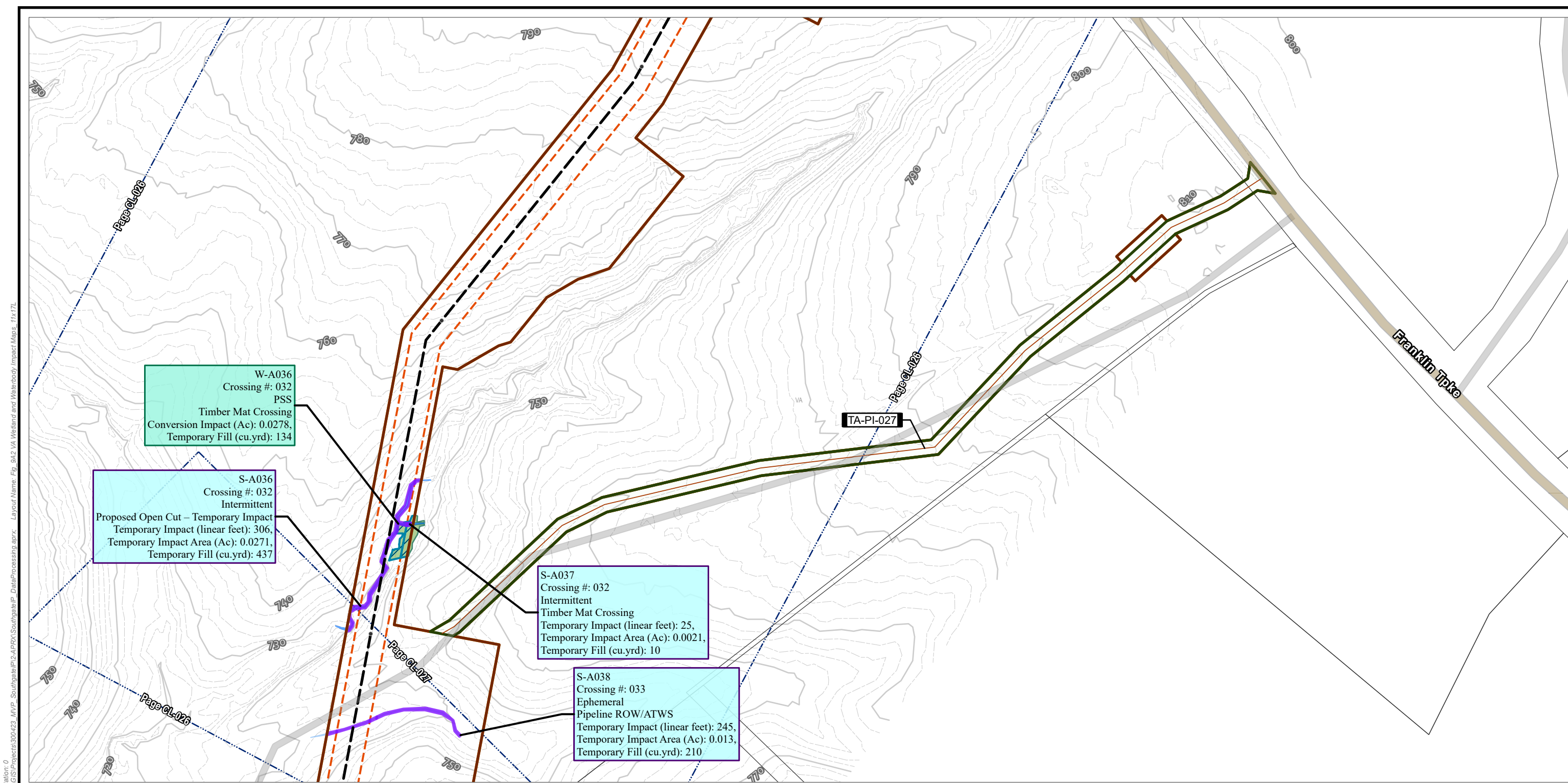


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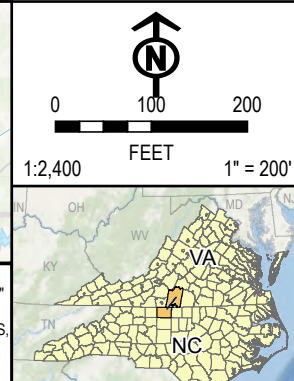
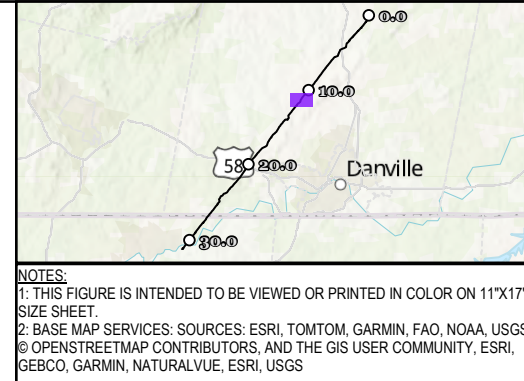


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
CHECKED BY: A. HORRIE	PAGE: 88 AR-027
APPROVED BY: M. TACKEL	
DATE: APRIL 2025	
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- TENTH MILE POST
- H-650 PIPELINE
- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- OPERATIONAL WORKSPACE
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- STREAM IMPACT
 - TEMPORARY
 - EPHEMERAL SURFACE WATER
 - INTERMITTENT SURFACE WATER
- WETLAND IMPACT
 - CONVERSION
 - 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	
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- TEMPORARY ACCESS ROAD
- TEMPORARY ACCESS ROAD
- SURVEY AREA
- LIMITS OF CONSTRUCTION WORKSPACE
- ELEVATION - CONTOUR - INDEX
- ELEVATION - CONTOUR - INTERMEDIATE
- ADJACENT SHEET
- EASEMENTS (VA)
- PARCEL BOUNDARY
- COUNTY BOUNDARY

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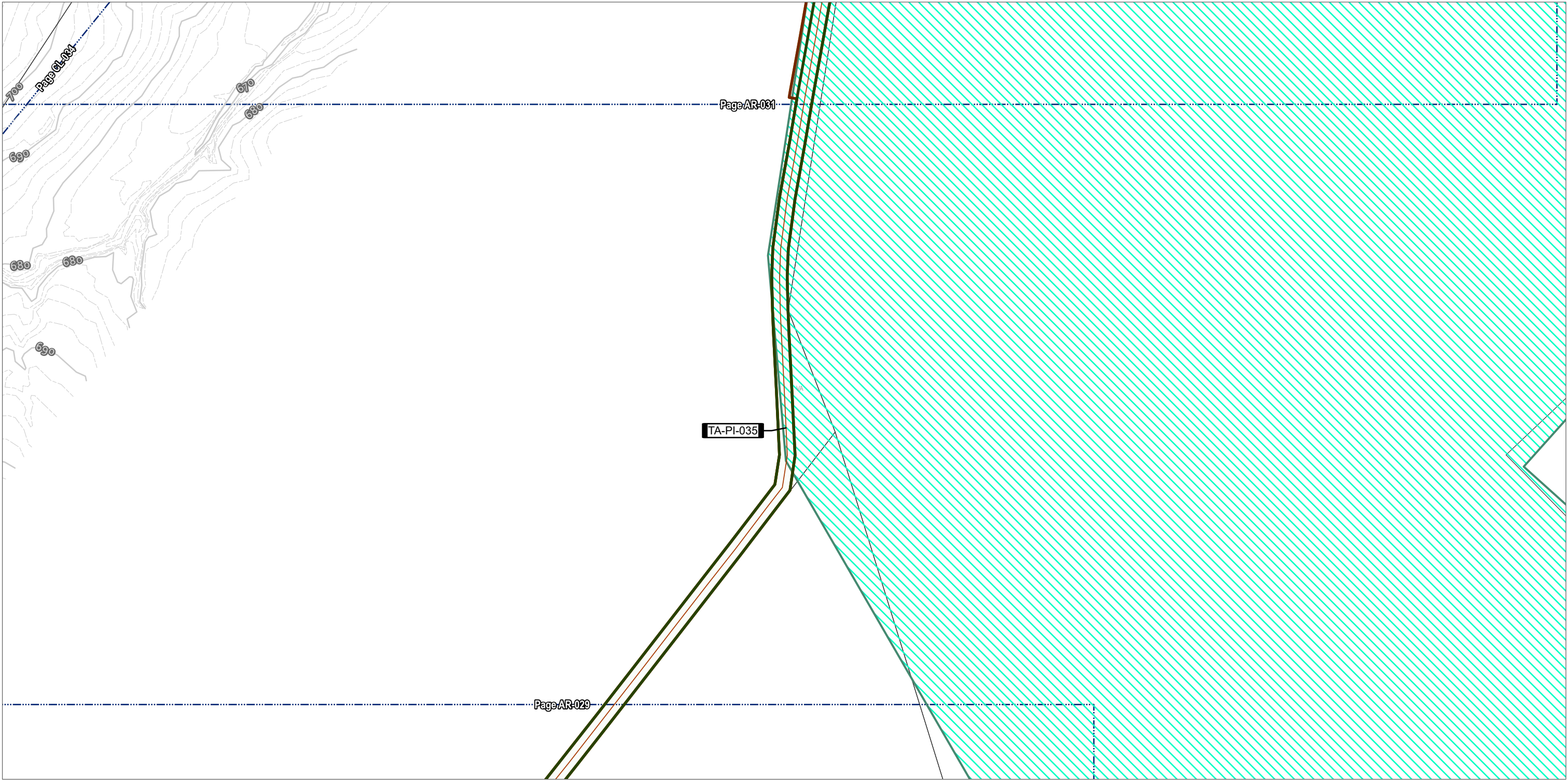
0 100 200
FEET
1:2,400 1" = 200'

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PROJECT: MVP Southgate Amendment Project Pittsylvania County, Virginia	
TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
DRAWN BY: J. THOMAS	PROJ. NO.: 300423
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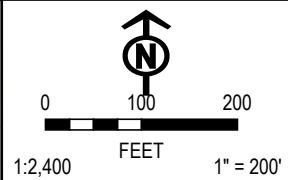
TEMPORARY ACCESS ROAD
TEMPORARY ACCESS ROAD

SURVEY AREA
LIMITS OF CONSTRUCTION WORKSPACE

ELEVATION - CONTOUR - INDEX
ELEVATION - CONTOUR - INTERMEDIATE
ADJACENT SHEET
EASEMENTS (VA)
PARCEL BOUNDARY
COUNTY BOUNDARY

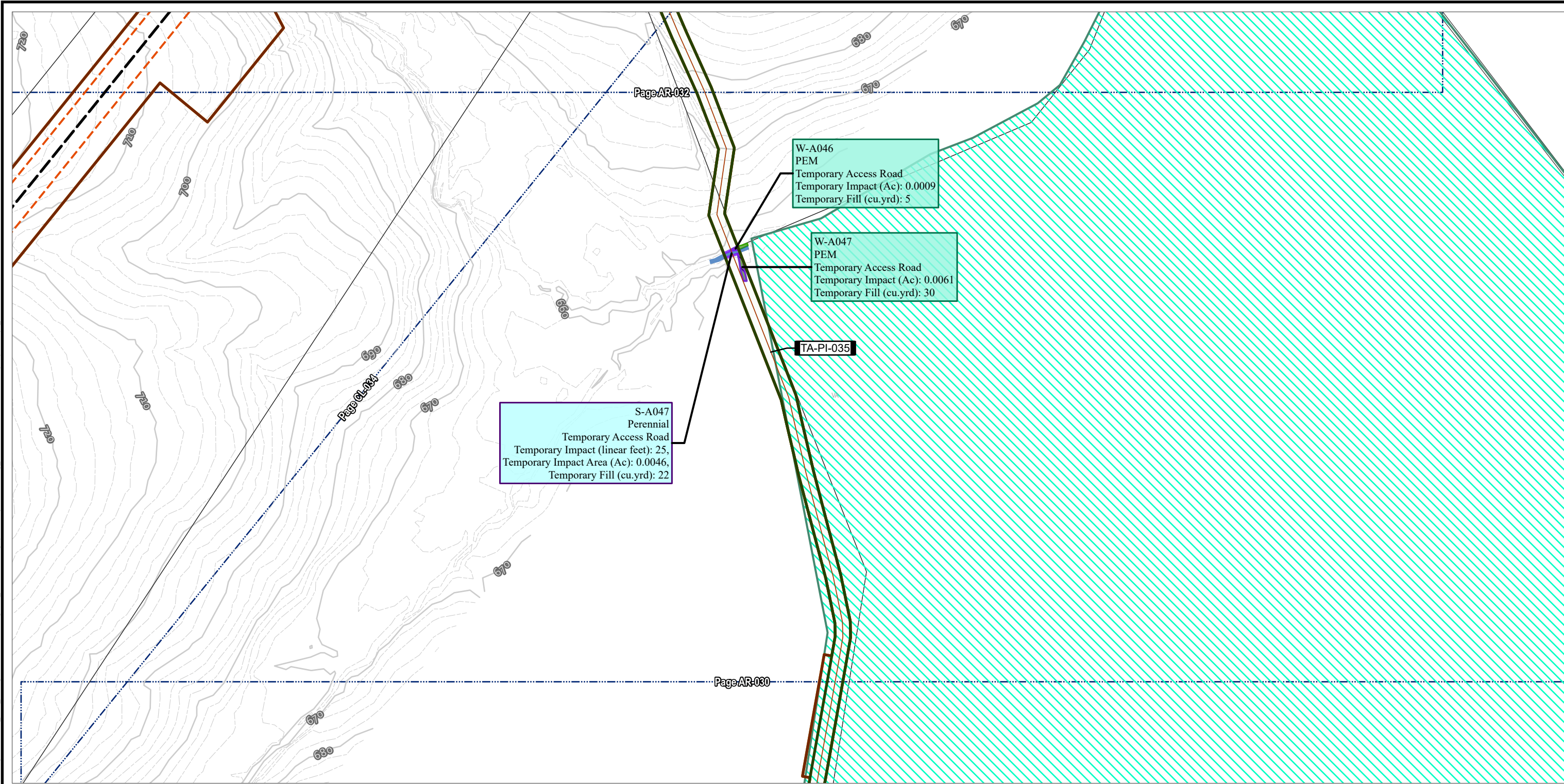


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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
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H-650 PIPELINE	OPERATIONAL WORKSPACE	ELEVATION - CONTOUR - INDEX
TEMPORARY ACCESS ROAD	SURVEY AREA	ELEVATION - CONTOUR - INTERMEDIATE
TEMPORARY ACCESS ROAD	LIMITS OF CONSTRUCTION WORKSPACE	ADJACENT SHEET
STREAM IMPACT	TEMPORARY	EASEMENTS (VA)
PERENNIAL SURFACE WATER	PERENNIAL	PARCEL BOUNDARY
WETLAND IMPACT	PALUSTRINE EMERGENT	COUNTY BOUNDARY

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TITLE: FIG A-2 VA WETLAND AND WATERBODY IMPACT	
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