

Y:\804\33520-RIC\_E-Side\_Access\_RolDWG\Sheet\Exhibit\33520-WTIM.dwg | Plotted on 10/17/2014 5:18 PM | by Steve Vargo

Impact Number	Cowardin Classification					Impact Type	Wetland/Stream Impact Description*
	PFO (#)	PEM (#)	PSS (#)	R3 (L.F.)	R4 (L.F.)		
1	20,762					NT/PE	Grading
2	8,755					NT/PE	Grading
3		3,338			164	NT/PE	Grading
4	5,526	3,121		199	143	NT/PE	Grading
5	981	1,057				NT/PE	Grading/EMP Outfall
<b>Total</b>	<b>36,027</b>	<b>7,516</b>	<b>0</b>	<b>199</b>	<b>307</b>		
Total Wetland Impacts = 43545.32 L <sup>2</sup>							
Total Stream Impacts = 507 L.F.							

\*T=Tidal; NT=Non-tidal; IS=Hydrologically Isolated; V=Vegetated; NV=Nonvegetated; TE=Temporary; PE=Permanent; PFO=Palustrine Forested Wetland; PEM=Palustrine Emergent Wetland; PSS= Palustrine Scrub/Shrub Wetland; POW=Palustrine Open Water; R3=Perennial Stream; R4=Intermittent Stream

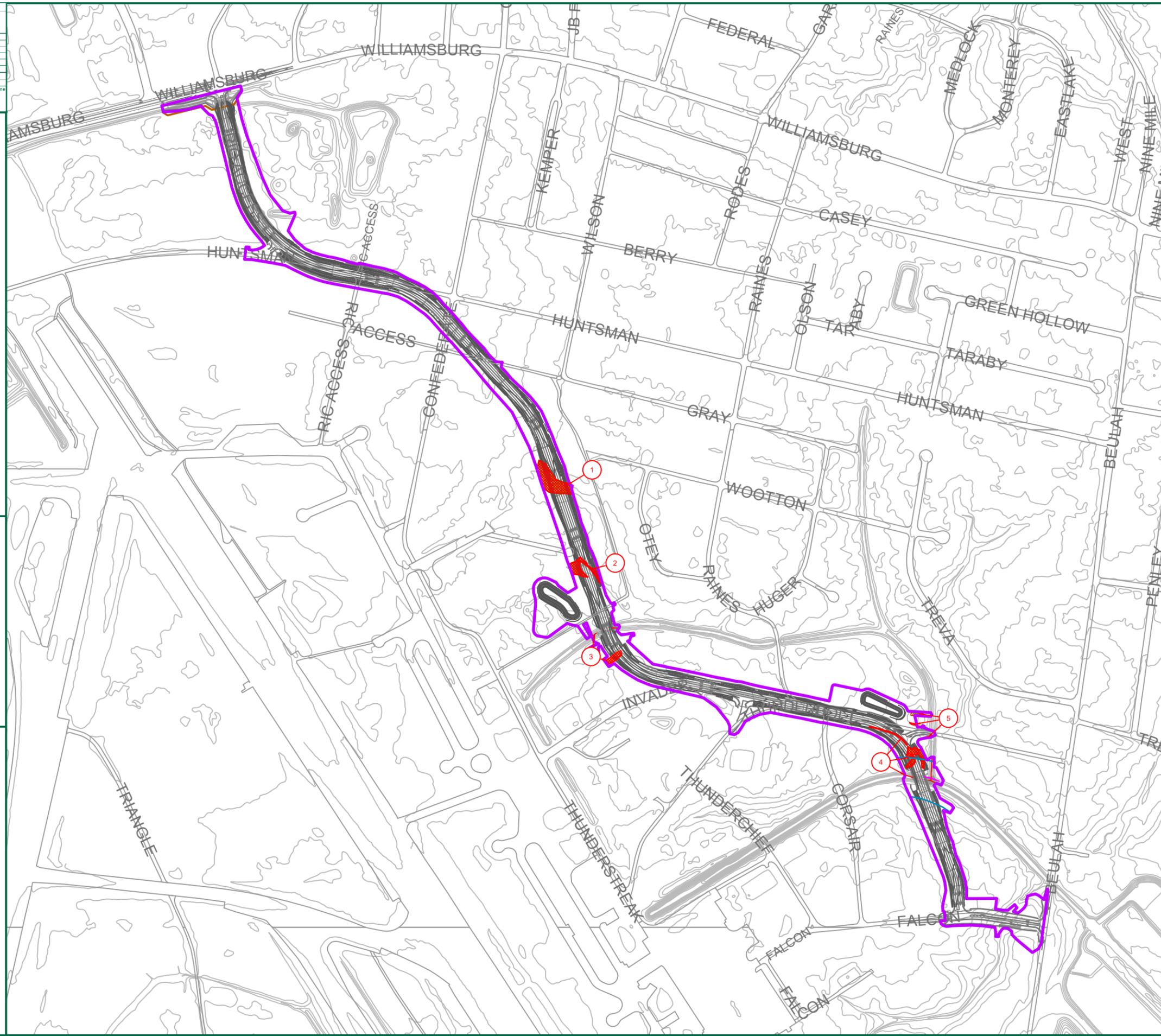
**LEGEND**

- LOD LIMITS OF DISTURBANCE (32.79 ACRES)
- STREAMS
- STREAM IMPACT
- WETLAND IMPACT IDENTIFICATION
- PALUSTRINE FORESTED WETLANDS (PFO)
- PALUSTRINE EMERGENT WETLANDS (PEM)
- PERMANENT WETLAND IMPACT

- NOTES:**
1. WATERS OF THE U.S. WITHIN THE PROJECT STUDY LIMITS HAVE BEEN GPS LOCATED BY TIMMONS GROUP.
  2. WATERS OF THE U.S. WITHIN THE PROJECT STUDY LIMITS WERE CONFIRMED BY THE U.S. ARMY CORP OF ENGINEERS ON MARCH 5, 2013 (NAO-2013-0141).



SCALE 1"=600'



# TIMMONS GROUP

RIC EAST SIDE ROADWAY/UTILITY EXPANSION  
HENRICO COUNTY, VIRGINIA  
PRELIMINARY STREAM AND WETLAND IMPACTS MAP

THIS DRAWING PREPARED AT THE  
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YOUR VISION ACHIEVED THROUGH OURS.

REVISION DESCRIPTION	DATE
	10/17/14

DRAWN BY  
S.VARGO  
DESIGNED BY  
S.VARGO  
CHECKED BY  
J.BOHDAN  
SCALE  
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JOB NO.  
33520  
SHEET NO.  
1 OF 3

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