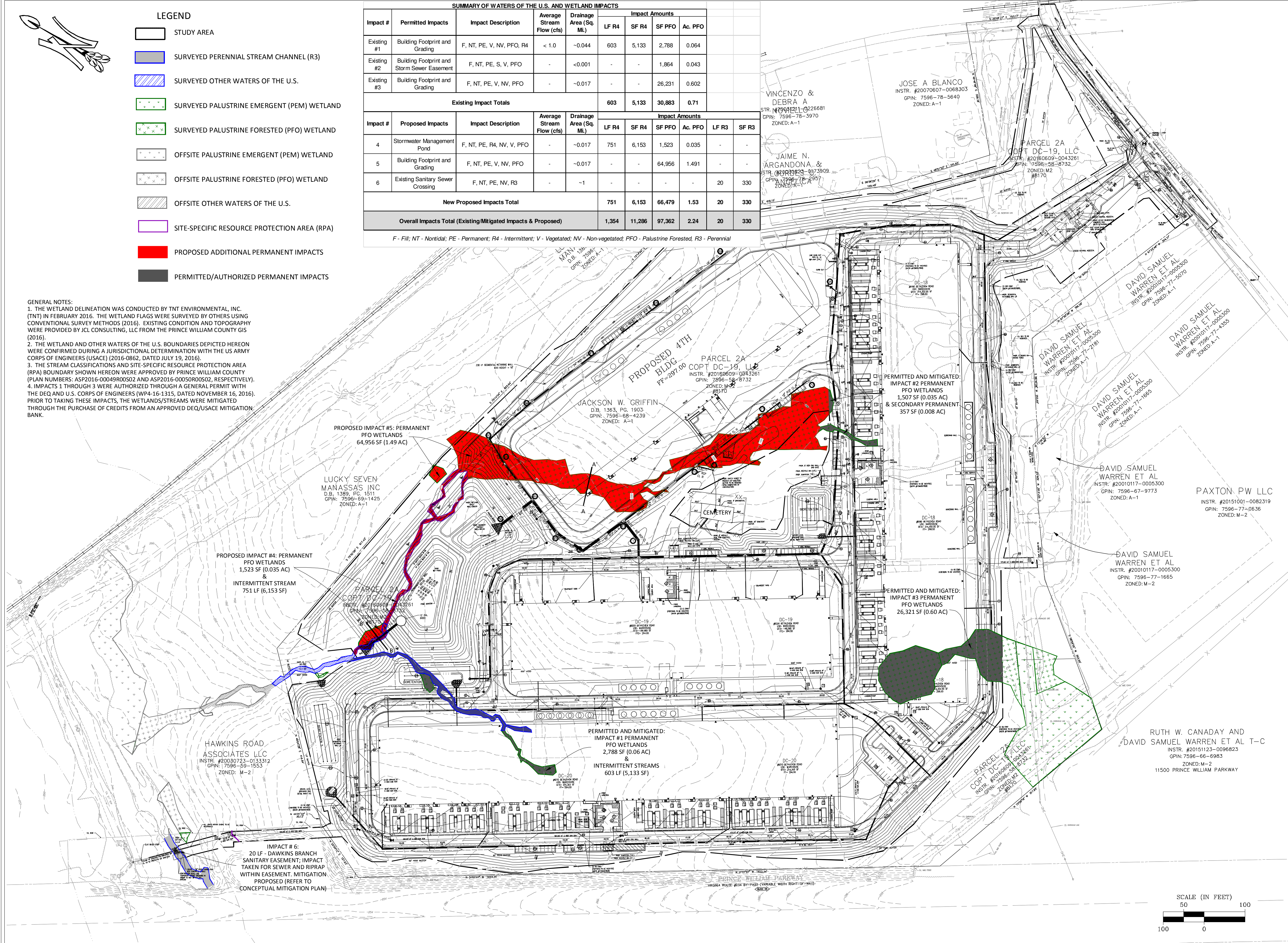


- LEGEND**
- STUDY AREA
  - SURVEYED PERENNIAL STREAM CHANNEL (R3)
  - SURVEYED OTHER WATERS OF THE U.S.
  - SURVEYED PALUSTRINE EMERGENT (PEM) WETLAND
  - SURVEYED PALUSTRINE FORESTED (PFO) WETLAND
  - OFFSITE PALUSTRINE EMERGENT (PEM) WETLAND
  - OFFSITE PALUSTRINE FORESTED (PFO) WETLAND
  - OFFSITE OTHER WATERS OF THE U.S.
  - SITE-SPECIFIC RESOURCE PROTECTION AREA (RPA)
  - PROPOSED ADDITIONAL PERMANENT IMPACTS
  - PERMITTED/AUTHORIZED PERMANENT IMPACTS

SUMMARY OF WATERS OF THE U.S. AND WETLAND IMPACTS										
Impact #	Permitted Impacts	Impact Description	Average Stream Flow (cfs)	Drainage Area (Sq. Mi.)	Impact Amounts				Ac. PFO	
					LF R4	SF R4	SF PFO	Ac. PFO		
Existing #1	Building Footprint and Grading	F, NT, PE, V, NV, PFO, R4	< 1.0	~0.044	603	5,133	2,788	0.064		
Existing #2	Building Footprint and Storm Sewer Easement	F, NT, PE, S, V, PFO	-	<0.001	-	-	1,864	0.043		
Existing #3	Building Footprint and Grading	F, NT, PE, V, NV, PFO	-	~0.017	-	-	26,231	0.602		
<b>Existing Impact Totals</b>					<b>603</b>	<b>5,133</b>	<b>30,883</b>	<b>0.71</b>		
Impact #	Proposed Impacts	Impact Description	Average Stream Flow (cfs)	Drainage Area (Sq. Mi.)	Impact Amounts				Ac. PFO	
					LF R4	SF R4	SF PFO	Ac. PFO		
4	Stormwater Management Pond	F, NT, PE, R4, NV, V, PFO	-	~0.017	751	6,153	1,523	0.035		
5	Building Footprint and Grading	F, NT, PE, V, NV, PFO	-	~0.017	-	-	64,956	1.491		
6	Existing Sanitary Sewer Crossing	F, NT, PE, NV, R3	-	~1	-	-	-	20	330	
<b>New Proposed Impacts Total</b>					<b>751</b>	<b>6,153</b>	<b>66,479</b>	<b>1.53</b>	<b>20</b>	<b>330</b>
<b>Overall Impacts Total (Existing/Mitigated Impacts &amp; Proposed)</b>					<b>1,354</b>	<b>11,286</b>	<b>97,362</b>	<b>2.24</b>	<b>20</b>	<b>330</b>

F - Fill; NT - Nontidal; PE - Permanent; R4 - Intermittent; V - Vegetated; NV - Non-vegetated; PFO - Palustrine Forested; R3 - Perennial

**GENERAL NOTES:**  
 1. THE WETLAND DELINEATION WAS CONDUCTED BY TNT ENVIRONMENTAL, INC. (TNT) IN FEBRUARY 2016. THE WETLAND FLAGS WERE SURVEYED BY OTHERS USING CONVENTIONAL SURVEY METHODS (2016). EXISTING CONDITION AND TOPOGRAPHY WERE PROVIDED BY JCL CONSULTING, LLC FROM THE PRINCE WILLIAM COUNTY GIS (2016).  
 2. THE WETLAND AND OTHER WATERS OF THE U.S. BOUNDARIES DEPICTED HEREON WERE CONFIRMED DURING A JURISDICTIONAL DETERMINATION WITH THE US ARMY CORPS OF ENGINEERS (USACE) (2016-0862, DATED JULY 19, 2016).  
 3. THE STREAM CLASSIFICATIONS AND SITE-SPECIFIC RESOURCE PROTECTION AREA (RPA) BOUNDARY SHOWN HEREON WERE APPROVED BY PRINCE WILLIAM COUNTY (PLAN NUMBERS: ASP2016-00049R00502 AND ASP2016-00050R00502, RESPECTIVELY).  
 4. IMPACTS 1 THROUGH 3 WERE AUTHORIZED THROUGH A GENERAL PERMIT WITH THE DEQ AND U.S. CORPS OF ENGINEERS (WP4-16-1315, DATED NOVEMBER 16, 2016). PRIOR TO TAKING THESE IMPACTS, THE WETLANDS/STREAMS WERE MITIGATED THROUGH THE PURCHASE OF CREDITS FROM AN APPROVED DEQ/USACE MITIGATION BANK.



VINCENZO & DEBRA A  
 STR: 7596-78-226681  
 GPIN: 7596-78-3970  
 ZONED: A-1

JAIME N. ARGANDONA & STR: 7596-78-2357  
 GPIN: 7596-78-2357  
 ZONED: A-1

JOSE A BLANCO  
 INSTR. #20070607-0068303  
 GPIN: 7596-78-5649  
 ZONED: A-1

PARCEL 2A  
 COPT DC-19, LLC  
 INSTR. #20160609-0043261  
 GPIN: 7596-77-5732  
 ZONED: M2 #8170

DAVID SAMUEL WARREN ET AL  
 INSTR. #2010117-0005300  
 GPIN: 7596-77-5670  
 ZONED: A-1

DAVID SAMUEL WARREN ET AL  
 INSTR. #2010117-0005300  
 GPIN: 7596-77-4353  
 ZONED: A-1

DAVID SAMUEL WARREN ET AL  
 INSTR. #2010117-0005300  
 GPIN: 7596-77-1665  
 ZONED: A-1

DAVID SAMUEL WARREN ET AL  
 INSTR. #2010117-0005300  
 GPIN: 7596-67-9773  
 ZONED: A-1

PAXTON, PW LLC  
 INSTR. #20151001-0082319  
 GPIN: 7596-77-0636  
 ZONED: M-2

DAVID SAMUEL WARREN ET AL  
 INSTR. #2010117-0005300  
 GPIN: 7596-77-1665  
 ZONED: M-2

RUTH W. CANADAY AND DAVID SAMUEL WARREN ET AL T-C  
 INSTR. #20151123-0096823  
 GPIN: 7596-66-6983  
 ZONED: M-2  
 11500 PRINCE WILLIAM PARKWAY

**ENVIRONMENTAL**  
 13996 Parkeast Circle, Suite 101  
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COPT DC-19 @  
 BETHLEHEM TECHNOLOGY PARK  
 PRINCE WILLIAM COUNTY

OVERALL IMPACTS TO WATERS OF THE U.S.

REVISIONS	
DATE	COMMENTS
4-21-17	REV PER DEQ
5-22-17	REV PER DEQ

SHEET 1 OF 1

SCALE: 1" = 100'

PROJECT DATE: 3/24/17

DRAFT: LAD CHECK: AMS

FILE NUMBER: 494-D

