

NOTES:

1. Existing topography provided by WSSI was used as a base for this exhibit. The contour interval (C.I.) is 2 feet. Site boundary and site design information provided by Urban, Ltd.

2. The boundaries of jurisdictional wetlands and other Waters of the United States (WOUS) within the Blackburn project area were delineated and surveyed by Wetland Studies and Solutions, Inc. (WSSI) in April 2013. The results of this delineation are described in WSSI's report dated April 30, 2013. The U.S. Army Corps of Engineers (COE) verified the delineation with a jurisdictional determination (JD) dated September 18, 2013 (COE #NAO-2013-1448).

3. Limits of impacts to jurisdictional wetlands and other WOUS shown hereon are based upon current development plans and renderings for submission of the joint permit application. Buildings and other ancillary improvement types, layouts, and proposed uses may vary somewhat without affecting said permits as long as the nature and scope of impacts to jurisdictional wetlands and other WOUS are not changed.



LEGEND

- SITE BOUNDARY
- PROPOSED PERMANENT IMPACT AREAS
- PROPOSED TEMPORARY IMPACT AREAS
- LIMITS OF CLEARING AND GRADING
- PERENNIAL STREAM (PER WSSI'S OBSERVATIONS)
- INTERMITTENT STREAM (PER WSSI'S OBSERVATIONS)
- JURISDICTIONAL WETLAND AREAS
- PALUSTRINE OPEN WATER (POND)
- 100 YEAR FLOODPLAIN
- FIELD VERIFIED RESOURCE PROTECTION AREA BOUNDARY
- COUNTY PRESERVATION AREA

COWARDIN CLASSIFICATION

PFO	PALUSTRINE FORESTED WETLAND
PSS	PALUSTRINE SCRUB-SHRUB WETLAND
PEM	PALUSTRINE EMERGENT WETLAND
POW	PALUSTRINE OPEN WATER
R3	RIVERINE UPPER PERENNIAL
R4	RIVERINE INTERMITTENT

Permanent Impacts	PFO (SF)	PFO (AC)	PEM (SF)	PEM (AC)	POW (SF)	POW (AC)	R3 (SF)	R3 (AC)	R3 (LF)	R4 (SF)	R4 (AC)	R4 (LF)	Total Impact Area (SF)	Total Impact Area (AC)	Total Impact Area (LF)	Type of Impact	WOTUS Impact Description
#1	148	0.003	2,785	0.064	-	-	-	-	-	1,816	0.037	231	4,549	0.104	231	Stomwater Pond	F, EX, S, NT, PE, IN, V, MC
#2	1,513	0.035	-	-	-	-	-	-	-	-	-	-	1,513	0.035	-	Fill	F, NT, PE, V, MC
#3	-	-	847	0.019	-	-	-	-	-	547	0.013	59	1,394	0.032	59	Drainage Conveyance	F, S, NT, PE, IN, V
#4 (Permanent Conversion)	1,283	0.029	-	-	-	-	-	-	-	-	-	-	1,283	0.029	-	Utility Outfall	F, NT, PE, IN, NV, MC
#4 (Temporary)	-	-	-	-	-	-	-	-	-	357	0.008	69	357	0.008	69	Utility Outfall	F, NT, PE, IN, NV, MC
#5	9,012	0.207	-	-	-	-	-	-	-	4,891	0.112	1,002	13,903	0.319	1,002	Fill	F, NT, PE, IN, NV, MC
#6	653	0.015	-	-	-	-	-	-	-	-	-	-	653	0.015	-	Stomwater Pond	F, EX, NT, PE, V, MC
#7	6,141	0.141	6,009	0.138	42,368	0.973	3,115	0.072	353	-	-	-	57,633	1.323	353	Stomwater Pond	F, EX, S, NT, PE, IN, V, MC
Total Permanent	18,759	0.430	9,641	0.221	42,368	0.973	3,115	0.072	353	7,054	0.162	1,292	80,926	1.858	1,645		
Total Temporary	-	-	-	-	-	-	-	-	-	357	0.008	69	357	0.008	69		
Total	18,759	0.430	9,641	0.221	42,368	0.973	3,115	0.072	353	7,411	0.170	1,361	81,285	1.866	1,714		

* The PFO impacts associated with Impact #4 are permanent conversion. The intermittent stream impacts are temporary.
 * F = Fill, EX = Excavation, S = Structure, T = Tidal, NT = Nontidal, TE = Temporary, PE = Permanent, PR = Perennial, IN = Intermittent;
 SB = Subaqueous Bottom; DB = Dune/Beach; IS = Hydrologically Isolated; V = Vegetated; NV = Non-vegetated; MC = Mechanized Clearing of PFO

**Exhibit 8:
Overall Wetland and WOTUS Impact Map**

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 Prince William County, Virginia

REVISIONS		App. By	Rev. By
No.	Date	Description	

Horizontal Datum: VCS NAD 83
 Vertical Datum: NAVD 88
 Boundary and Topo Source: WSSI - 2'
 Design: RPC Draft: RPC Approved: CLB
 Sheet #
2 of 14
 Computer File Name: L:\2016\2209\22091610\CADD\7-8-2016\220916-16_Impact Map.dwg
 2016-08-16_Impact Map.dwg