NOTES:

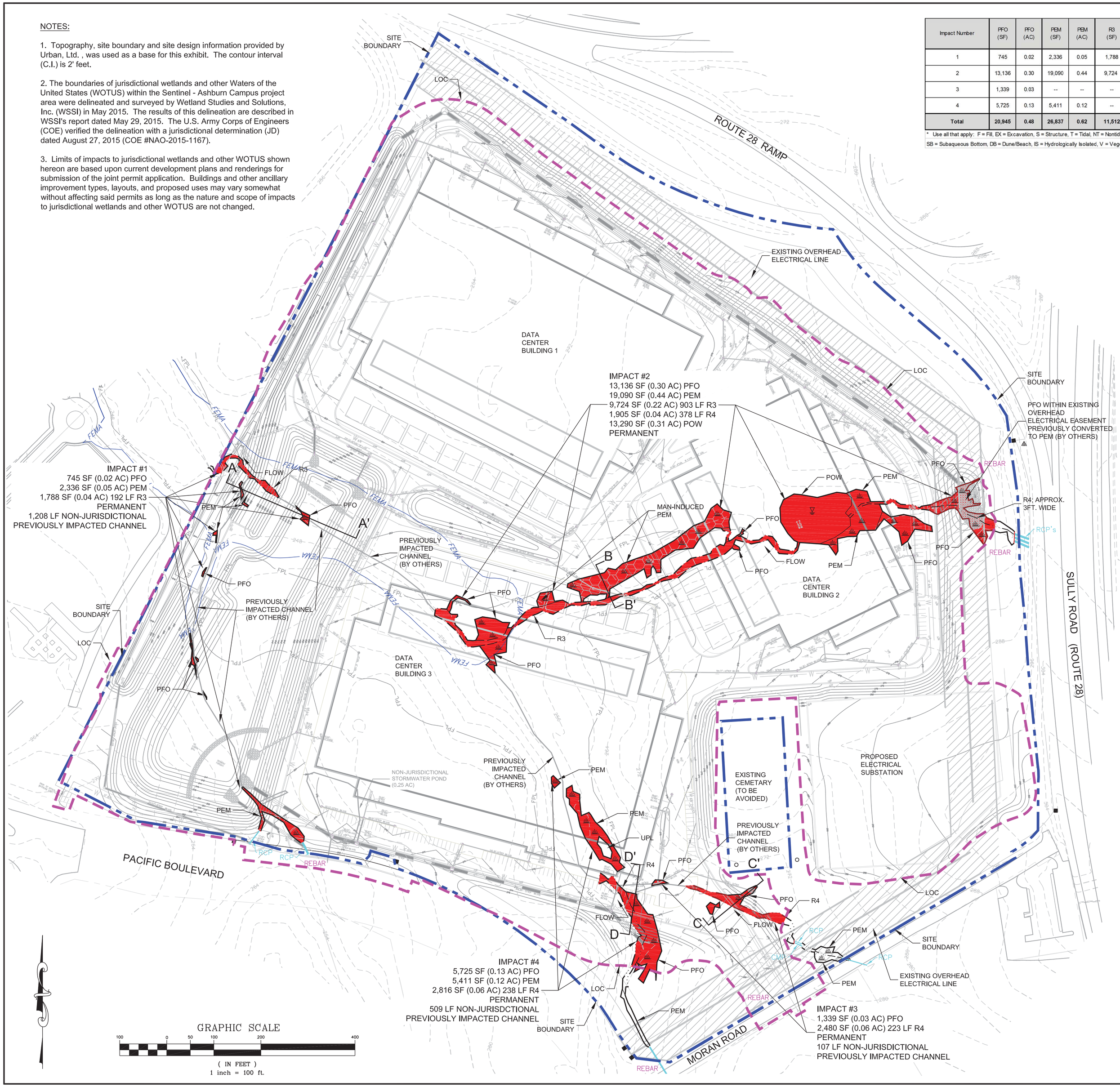
1. Topography, site boundary and site design information provided by Urban, Ltd. , was used as a base for this exhibit. The contour interval (C.I.) is 2' feet.

2. The boundaries of jurisdictional wetlands and other Waters of the United States (WOTUS) within the Sentinel - Ashburn Campus project area were delineated and surveyed by Wetland Studies and Solutions, Inc. (WSSI) in May 2015. The results of this delineation are described in WSSI's report dated May 29, 2015. The U.S. Army Corps of Engineers (COE) verified the delineation with a jurisdictional determination (JD) dated August 27, 2015 (COE #NAO-2015-1167).

3. Limits of impacts to jurisdictional wetlands and other WOTUS 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 WOTUS are not changed.

Impact Number	PFO (SF)	PFO (AC)	PEM (SF)	PEM (AC)	R3 (SF)	R3 (AC)	R3 (LF)	R4 (SF)	R4 (AC)	R4 (LF)	POW (SF)	POW (AC)	Total Impact Area (SF)	Total Impact Area (AC)	Total Impact Area (LF)	Wetland/Stream Impact Description*
1	745	0.02	2,336	0.05	1,788	0.04	192	--	--	--	--	--	4,869	0.11	192	F,EX, NT, PE (PFO, PEM, R3)
2	13,136	0.30	19,090	0.44	9,724	0.22	903	1,905	0.04	378	13,290	0.31	57,145	1.31	1,281	F, NT, PE (PFO, PEM, R3, R4, POW)
3	1,339	0.03	--	--	--	--	--	2,480	0.06	223	--	--	3,819	0.09	223	F, NT, PE (PFO, R4)
4	5,725	0.13	5,411	0.12	--	--	--	2,816	0.06	238	--	--	13,952	0.32	238	F, NT, PE (PFO, PEM, R4)
Total	**20,945**	**0.48**	**26,837**	**0.62**	**11,512**	**0.26**	**1,095**	**7,201**	**0.17**	**839**	**13,290**	**0.31**	**79,785**	**1.83**	**1,934**	

* Use all that apply: 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.



GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)

1 inch = 100 ft.

LEGEND

- SITE BOUNDARY
- PROPOSED PERMANENT IMPACT AREAS
- LIMITS OF CLEARING AND GRADING
- JURISDICTIONAL PERENNIAL STREAM
- JURISDICTIONAL INTERMITTENT STREAM
- APPROXIMATE LIMITS OF INTERMITTENT STREAM (PER WSSI OBSERVATIONS - NOT SURVEYED)
- JURISDICTIONAL WETLAND AREAS
- ATYPICAL AND DISTURBED WETLANDS
- NON-JURISDICTIONAL FEATURE (DETERMINED BY COE)
- PALUSTRINE OPEN WATER (POND)
- FEMA MAPPED 100-YEAR FLOODPLAIN
- LOUDOUN COUNTY MAPPED 100-YEAR FLOODPLAIN

COWARDIN CLASSIFICATION

PFO	PALUSTRINE FORESTED WETLAND
PEM	PALUSTRINE EMERGENT WETLAND
POW	PALUSTRINE OPEN WATER
R3	RIVERINE UPPER PERENNIAL
R4	RIVERINE INTERMITTENT

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Exhibit 8:
Overall Wetlands and Waters of the U.S. (WOTUS) Impact Map

Prepared For: Sentinel Data Centers

Sentinel - Ashburn Campus
Loudoun County, Virginia

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REVISIONS

No.	Date	Description	Rev. By	App. By

SCALE: 1" = 100' C.I.: 2'

DATE: May 2017

Horizontal Datum: VCS NAD 83

Vertical Datum: NAVD 88

Boundary and Topo Source: Urban, Ltd.

Design	Draft	Approved
DC	LLS	DC

Sheet # 3 of 11

Computer File Name:
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-ss-Overall Impact Map_20170501.dwg