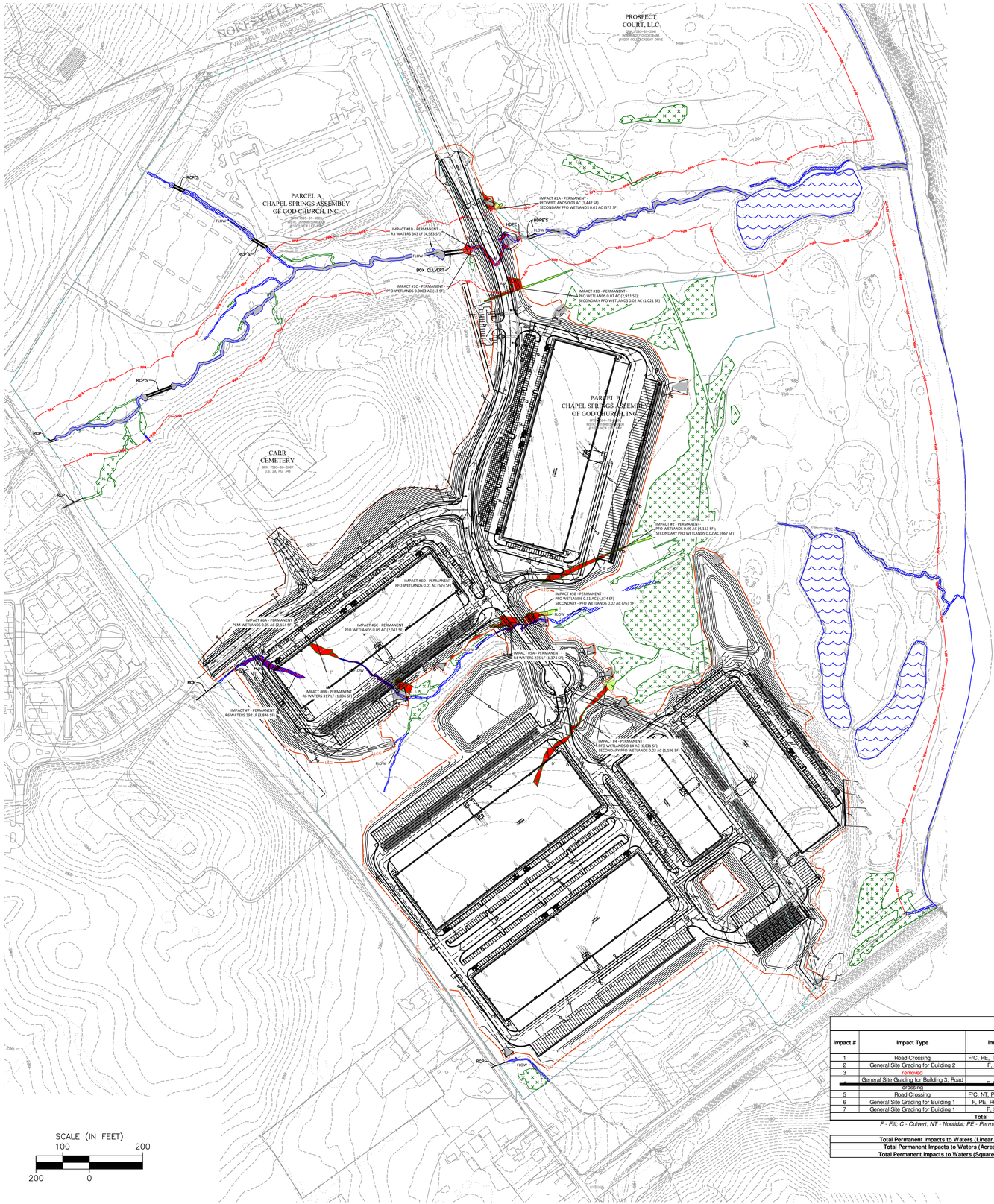

LEGEND

- PERENNIAL WATERS (R3)
- INTERMITTENT WATERS (R4)
- EPHEMERAL WATERS (R6)
- PALUSTRINE FORESTED (PFO) WETLAND
- PALUSTRINE EMERGENT (PEM) WETLAND
- *SITE-SPECIFIC RESOURCE PROTECTION AREA (RPA)
- LIMITS OF DISTURBANCE
- PERMANENT IMPACTS
- SECONDARY-PERMANENT IMPACTS (HYDROLOGY CHANGE)

NOTES:

1. THE WETLAND DELINEATION WAS CONDUCTED BY TNT ENVIRONMENTAL, INC. UNDER TWO SPERATE COVERS. THE MAJORITY OF THE SITE WAS DELINEATED IN JANUARY AND FEBRUARY 2020 AS CHAPEL SPRINGS. THE EASTERN PORTION OF THE SITE WAS DELINEATED IN OCTOBER 2019 AS BROAD RUN CENTER.

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) (NAO-2020-00548), DATED MAY 19, 2020. AND (NAO-2019-02284), DATED MARCH 13, 2020.

3. PROPOSED CONDITIONS PROVIDED BY SMITH ENGINEERING, AUGUST 2022, REVISED OCOTBER 5, 2022. IMPACT 3 HAS BEEN AVOIDED.

SUMMARY OF WETLAND AND WATERS IMPACTS

Impact #	Impact Type	Impact Description	Average Stream Flow (cfs)	Drainage Area (Sq. Mi.)	PERMANENT IMPACTS									
					PEM (SF)	PEM (AC.)	PFO (SF)	PFO (AC.)	R3 (LF)	R3 (AC.)	R4 (LF)	R4 (AC.)	R6 (LF)	R6 (AC.)
1	Road Crossing	F/C, PE, TE, S, R3, NV, PFO, V, NT	< 0.1	0.37	-	-	5,960	0.14	363	0.11	-	-	-	-
2	General Site Grading for Building 2	F, PE, S PFO, V, NT	-	-	-	-	4,780	0.11	-	-	-	-	-	-
3	removed	-	-	-	-	-	0	0.00	-	-	-	-	-	-
4	General Site Grading for Building 3; Road crossing	F, PE, S, PFO, V, NT					7,229	0.17						
5	Road Crossing	F/C, NT, PE, S, R4, NV, PFO, V, NT	<0.01	0.08	-	-	5,637	0.13	-	-	235	0.03	-	-
6	General Site Grading for Building 1	F, PE, R6, NV, PFO, PEM, V, NT	<0.005	0.04	2,154	0.05	2,614	0.06	-	-	-	-	317	0.04
7	General Site Grading for Building 1	F, PE, S, R6, NV, NT	<0.005	0.04	-	-	-	-	-	-	-	-	292	0.09
		Total			**2,154**	**0.05**	**26,219**	**0.60**	**363**	**0.11**	**235**	**0.03**	**609**	**0.13**

F - Fill; C - Culvert; NT - Nontidal; PE - Permanent; R3 - Perennial; R4 - Intermittent; R6 - Ephemeral; PFO - Palustrine Forested; PEM - Palustrine Emergent; NV - Non-vegetated; V - Vegetated; S - Secondary

Total Permanent Impacts to Waters (Linear Feet):	**1,207**	**LF**
Total Permanent Impacts to Waters (Acreage):	**0.92**	**Acres**
Total Permanent Impacts to Waters (Square Feet):	**40,072**	**SF**

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TNT ENVIRONMENTAL

CHAPEL SPRINGS STATION

PRINCE WILLIAM COUNTY

IMPACTS TO WATERS & WETLANDS MAP

REVISIONS

DATE	COMMENTS
10-10-22	PROP REV (SMITH 10/5/22)
11-9-22	PROP REV (SMITH 11/9/22)
12-23-22	REV GRADE (SMITH 12/8/22)
1-24-23	REV PHASE II (SMITH 1-23-23)

SHEET 1 OF 1

SCALE: 1" = 200'

PROJECT DATE: 8-22-22

DRAFT: JSM

CHECK: AMS

FILE NUMBER: 1848-A