



- LEGEND**
- PERENNIAL WATERS (R3)
 - INTERMITTENT WATERS (R4)
 - EPHEMERAL WATERS (R6)
 - PALUSTRINE FORESTED (PFO) WETLAND
 - PALUSTRINE SCRUB-SHRUB (PSS) WETLAND
 - PALUSTRINE EMERGENT (PEM) WETLAND
 - PALUSTRINE OPEN WATER (POW)
 - LIMITS OF DISTURBANCE
 - PERMANENT IMPACTS
 - TEMPORARY IMPACTS (TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS)
 - PREVIOUSLY PERMITTED AND TAKEN IMPACTS PER WP4-06-0866

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ENVIRONMENTAL

ONE LOGISTICS PARK
IMPACTS TO WETLANDS & WATERS MAP
FREDERICK COUNTY

REVISIONS	
DATE	COMMENTS
8/26/22	AMS
10/20/22	AMS
11/7/22	AMS
12/9/22	AMS

SHEET 1 OF 2

SCALE: 1" = 150'

PROJECT DATE:
5/11/22

DRAFT:
AMS/TNW

CHECK:
AMS

FILE NUMBER:
2052-C

NOTES:

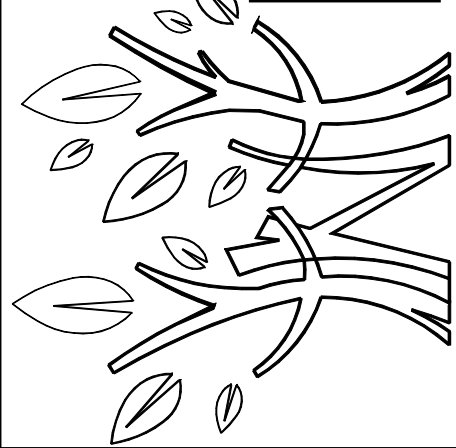
1. THE WETLAND AND STREAM BOUNDARIES FOR GOVERNOR'S HILL (STREAM THAT RUNS ALONG EASTERN BOUNDARY) DEPICTED HEREIN WERE DELINEATED BY WETLAND ALTERNATIVES IN NOVEMBER 2005 AND WERE SUBSEQUENTLY CONFIRMED BY THE U.S. ARMY CORPS OF ENGINEERS (USACE) VIA A JURISDICTIONAL DETERMINATION (JD) ON JANUARY 25, 2006 (USACE #: 05-B0120). THOUGH THE JD IS MORE THAN 5 YEARS OLD, IT REMAINS VALID IN ACCORDANCE WITH USACE REGULATORY GUIDANCE LETTER 05-02, WHICH STATES THAT A JD SHALL REMAIN VALID THROUGH THE DURATION OF AN ASSOCIATED PERMIT WHICH EXPIRES MAY 31, 2022. THESE FEATURES WERE REVIEWED DURING A SITE VISIT BY TNT AND APPEAR TO BE LARGELY AS PREVIOUSLY DELINEATED.
2. THE CARPER'S VALLEY PORTION (WESTERN FEATURES) OF THE SITE WAS FORMALLY DELINEATED BY WETLAND STUDIES & SOLUTIONS, INC. (WSSI) IN MAY 2018, REVISED JUNE 1, 2018 AND WAS SUBSEQUENTLY CONFIRMED BY THE USACE VIA JD ON JUNE 17, 2018 (USACE #: NAO-2005-00172) WHICH REMAINS VALID UNTIL JUNE 17, 2023.
3. EXISTING AND PROPOSED CONDITIONS AND TOPOGRAPHIC INFORMATION WAS PROVIDED BY GORDON (2021).
4. PROPOSED CONDITIONS PROVIDED BY GORDON (2021).
5. PER THE CORPS OF ENGINEERS VIA EMAIL ON THURSDAY, NOVEMBER 3, 2022, IMPACTS 2, 3 AND 4 REPRESENT AREAS THAT ARE NOT SUBJECT TO FEDERAL JURISDICTION. THESE IMPACTS HAVE BEEN SHOWN AS THEY ARE SUBJECT TO STATE JURISDICTION.

SUMMARY OF WETLANDS AND WATERS IMPACTS																						
Impact #	Impact Type	Impact Description	Average Stream Flow (cfs)	Drainage Area (Sq. Mi.)	PERMANENT IMPACTS														TEMPORARY IMPACTS			
					R3 (LF)	R3 (AC.)	R4 (LF)	R4 (AC.)	R6 (LF)	R6 (AC.)	POW (SF)	POW (AC.)	PFO (SF)	PFO (AC.)	PSS (SF)	PSS (AC.)	PEM (SF)	PEM (AC.)	POW (SF)	POW (AC.)	R3 (LF)	R3 (AC.)
1	Grading for Parking Lot	F, NT, PE, R4, PFO, NV, V	< 1.0	~ 0.04	-	-	180	0.020	-	-	-	-	221	0.005	-	-	-	-	-	-	-	-
2	Building Construction	F, NT, PE, PEM, NV	< 1.0	~ 0.04	-	-	-	-	-	-	-	-	-	-	-	-	1,210	0.028	-	-	-	-
3	Building Construction	F, NT, PE, PFO, PEM, PSS, R6, NV, V	< 1.0	~ 0.04	-	-	-	-	55	0.005	-	-	3,801	0.087	356	0.008	2,315	0.053	-	-	-	-
4	Building Construction	F, NT, PE, PFO, PEM, R6, NV, V	< 1.0	~ 0.04	-	-	-	-	100	0.009	-	-	4,195	0.096	-	-	6,746	0.155	-	-	-	-
5	Parking Lot Construction	F, NT, PE, R4, POW, PEM, NV, V	< 1.0	~ 0.04	-	-	71	0.010	-	-	17,921	0.411	-	-	-	-	1,288	0.030	-	-	-	-
6	Parking Lot & Building Construction	F, NT, PE, POW, PSS, PEM, V	-	-	-	-	-	-	-	-	26,173	0.601	-	-	1,114	0.026	5,959	0.137	-	-	-	-
7	Parking Lot & Stormwater Pond Construction	F, NT, PE, POW, PFO, V	-	-	-	-	-	-	-	-	57,760	1.326	5,680	0.130	-	-	-	-	11,067	0.254	-	-
8	Grading & Roadway Construction	F, NT, PE, R3, R4, PFO, PEM, NV, V	~ 1.0	~0.98	183	0.047	171	0.076	-	-	-	-	7,729	0.177	-	-	825	0.019	-	-	-	-
9	Culvert Construction	F, NT, PE, R3, POW, NV, V	~ 1.0	~0.98	33	0.020	-	-	-	-	-	-	-	-	-	-	-	-	3,500	0.080	-	-
10	Roadway Crossing	F, NT, PE, R3, NV	~ 1.0	~0.98	278	0.070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Culvert Removal & Stream Restoration	F, NT, TE, R3, NV	~ 1.0	~0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	0.007
12	Culvert Removal & Stream Restoration	F, NT, TE, R3, NV	~ 1.0	~0.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0.006
13	Outfall Construction	F, NT, PE, R3, NV	~ 1.0	~0.98	30	0.004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Road Construction & Drainage Improvements	F, NT, PE, R4, NV	~ 1.0	~0.25	-	-	268	0.078	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Road Construction	F, NT, PE, PFO, PEM, V	-	-	-	-	-	-	-	-	-	-	5,052	0.116	-	-	6,902	0.158	-	-	-	-
Total Impacts					524	0.14	690	0.18	155	0.01	101,854	2.34	26,678	0.61	1,470	0.03	25,245	0.58	14,567	0.33	41	0.01
F - Fill; NT - Nontidal; PE - Permanent; TE - Temporary; R3 - Perennial; R4 - Intermittent; R6 - Ephemeral; PFO - Palustrine Forested; PSS - Palustrine Scrub-Shrub; PEM - Palustrine Emergent; POW - Palustrine Open Waters; NV - Non-vegetated; V - Vegetated																						

Total Permanent Impacts to Waters (Linear Feet):	1,369	LF
Total Permanent Impacts to Waters (Acreage):	0.34	Acres
Total Permanent Impacts to Wetlands (Square Feet):	155,247	SF
Total Permanent Impacts to Wetlands (Acreage):	3.56	Acres
Total Temporary Impacts to Wetlands (Square Feet):	14,567	SF
Total Temporary Impacts to Wetlands (Acreage):	0.33	Acres
Total Temporary Impacts to Waters (Linear Feet):	41	LF
Total Temporary Impacts to Waters (Acreage):	0.01	Acres

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SHEET 2 OF 2

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