



LEGEND

- PROPOSED LIMITS OF DISTURBANCE
- SOUTH FORK OF BROAD RUN (R3)
- OTHER WATERS OF THE U.S.
- PALUSTRINE OPEN WATERS (POW)
- PALUSTRINE EMERGENT (PEM) WETLAND
- PALUSTRINE FORESTED (PFO) WETLAND
- PROPOSED PERMANENT IMPACTS
- PROPOSED TEMPORARY IMPACTS

NOTES:
1. THE WETLAND Delineation WAS CONDUCTED BY T.N.T. ENVIRONMENTAL, INC. (T.N.T.) IN SEPTEMBER 2015 AND JANUARY 2017. THE WETLAND FLAGS WERE SURVEYED BY J2 ENGINEERS, INC. EXISTING CONDITIONS AND THE PROPOSED DEVELOPMENT WERE PROVIDED BY J2 ENGINEERS, INC.
2. THE WETLAND AND OTHER WATERS OF THE U.S. BOUNDARIES DEPICTED HEREON WERE CONFIRMED DURING A JURISDICTIONAL DETERMINATION WITH THE U.S. ARMY CORPS OF ENGINEERS (USACE) [2017-0164, DATED MARCH 13, 2017].

PROPOSED NORTHSTAR BLVD
SOUTH OF ROUTE 50

LOUDOUN COUNTY

OVERALL IMPACTS TO
WATERS OF THE U.S. MAP

REVISIONS	
DATE	COMMENTS

SHEET 1 of 2

SCALE: 1" = 100'
PROJECT DATE: 4/5/17
DRAFT: LAD
CHECK: AMS
FILE NUMBER: 416

Impact #	Impact Type	Impact Description	Average Stream Flow (cfs)	Drainage Area (Sq. Mi.)	Permanent Impact Amounts						Temporary Impact Amounts					
					LF RE	SF RE	LF R3	SF R3	SF PFO	Ac. PFO	SF PEM	Ac. PEM	SF POW	Ac. POW	LF R3	SF R3
1	Road Connection for Future Right of Way	PEM, NT, PE, V, F	-	< 0.4	-	-	-	-	-	-	-	649	0.01	-	-	-
2	Scour Protection for Bridge Crossing	R3, NT, PE, TE, NV, F	~4 cfs	2.99	-	-	387	7,687	-	-	-	-	-	-	100	2,505
3	Construction Access and Scour Protection for Bridge Crossing	RE, NT, PE, NV, F	< 1 cfs	< 0.4	60	380	-	-	-	-	-	-	-	-	-	-
4	Asphalt Trail and Scour Protection for Bridge Crossing	RE, NT, PE, NV, F	< 1 cfs	< 0.4	145	836	-	-	1,774	0.04	-	-	-	-	-	-
5	Proposed Northstar Boulevard Alignment	RE, NT, PE, NV, F	< 1 cfs	< 0.4	-	-	-	-	2,992	0.07	-	-	-	-	-	-
6	Proposed Northstar Boulevard Alignment	RE, NT, PE, NV, F	< 1 cfs	< 0.4	375	2,681	-	-	10,089	0.23	-	-	-	-	-	-
7	Proposed Blotention Area, Right-of-Way, and Future Interchange	RE, PEM, POW	< 1 cfs	< 0.4	154	568	-	-	-	-	3,390	0.08	1,003	0.02	-	-
Total					734	4,465	387	7,687	14,855	0.34	4,039	0.09	1,003	0.02	100	2,505



