

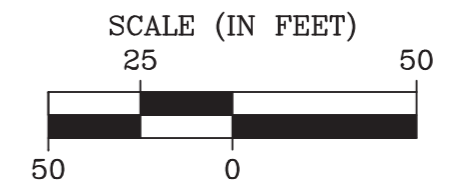


**LEGEND**

- X PALUSTRINE FORESTED (PFO) WETLAND
- PALUSTRINE EMERGENT (PEM) WETLAND
- LIMITS OF DISTURBANCE
- PERMANENT IMPACTS
- IMPACTS MITIGATED PER CAP (19-000644)
- SECONDARY PERMANENT IMPACTS DUE TO FRAGMENTATION
- SITE STUDY AREA

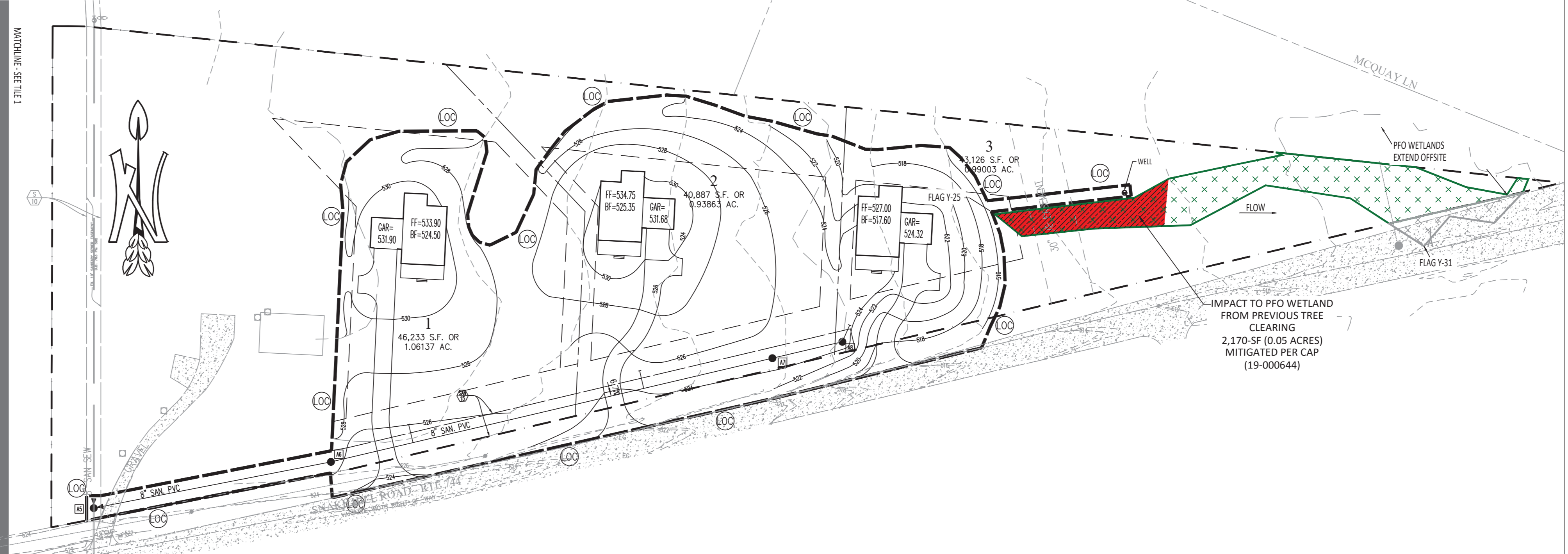
**NOTES:**

1. THE WETLAND DELINEATION WAS CONDUCTED BY TNT ENVIRONMENTAL, INC. (TNT) IN OCTOBER 2018. EXISTING CONDITION, TOPOGRAPHY AND WETLAND FLAGS WERE SURVEYED BY JZ ENGINEERS, INC.
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) ON JUNE 6, 2019 (NAO-2013-01821).
3. THE PREVIOUSLY TAKEN IMPACTS LOCATED ON MIDDLEBURG I & II AND SHOWN HEREON WILL BE MITIGATED PER CAP 19-000644. REFER TO APPENDIX IV FOR DETAILS.



SUMMARY OF WATERS OF THE U.S. IMPACTS								
Impact #	Impact Type	Impact Description	Average Stream Flow (cfs)	Drainage Area (Sq. Mi.)	PERMANENT IMPACTS			
					PFO (SF)	PFO (AC.)	PEM (SF)	PEM (AC.)
1A	Fill/Grading for Road and Home Construction; and Installation of Sanitary Sewer Main	F, NT, PE, PFO, V	-	< 0.10	21,592	0.50	-	-
1B	Fill/Grading for Road and Home Construction; and Installation of Sanitary Sewer Main	F, NT, SPE, PFO, V	-	< 0.10	13,867	0.32	-	-
2A	Fill/Grading for Road, Asphalt Trail and Home Construction; and Installation of Stormwater Treatment Plant and 30,000-Gallon Underground Fire Tank	F, NT, PE, PFO, PEM, V	-	< 0.10	21,204	0.49	5,110	0.12
2B	Fill/Grading for Road, Asphalt Trail and Home Construction; and Installation of Stormwater Treatment Pond and 30,000-Gallon Underground Fire Tank	F, NT, SPE, PFO, V	-	< 0.10	17,365	0.40	-	-
<b>Total</b>					<b>74,028</b>	<b>1.71</b>	<b>5,110</b>	<b>0.12</b>

F - Fill; NT - Nontidal; PE - Permanent; SPE - Secondary Permanent; PFO - Plustrine Forested; PEM - Palustrine Emergent; V - Vegetated



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**TNT ENVIRONMENTAL**

MIDDLEBURG  
 PRESERVE I & II  
 LOUDOUN COUNTY

OVERALL IMPACT MAP  
 TO WATERS OF THE U.S.

REVISIONS	
DATE	COMMENTS

SHEET 1 OF 1

SCALE: 1" = 50'

PROJECT DATE: 4/17/20

DRAFT: SSS CHECK: AMS

FILE NUMBER: 1373