

ROY COOPER  
 Governor

MICHAEL S. REGAN  
 Secretary

S. DANIEL SMITH  
 Director



NORTH CAROLINA  
 Environmental Quality

February 25, 2020

Geenex Solar, LLC  
 Attn: Juergen Fehr  
 7804-C Fairview Rd #257  
 Charlotte, NC 28226

DWR #19-1638  
 WASHINGTON County

Subject: On-Site Determination for Applicability to Tar-Pamlico Riparian Buffer Rules (15A NCAC 02B .0259)

Subject Property/ Project Name: Macadamia Solar  
 Address/Location: Near 4600 NC Highway 99 South, Plymouth  
 Stream(s) Evaluated: Unnamed Tributaries to Pungo River Canal  
 Determination Date: 01/09/20 Staff: Anthony Scarbraugh

Determination Type: Stream Buffer Determination	
Buffer:	Stream:
<input type="checkbox"/> Neuse (15A NCAC 02B .0233) <input checked="" type="checkbox"/> Tar-Pamlico (15A NCAC 02B .0259) <input type="checkbox"/> Catawba (15A NCAC 02B .0243) <input type="checkbox"/> Jordan (15A NCAC 02B .0267) (governmental and/or interjurisdictional projects) <input type="checkbox"/> Randleman (15A NCAC 02B .0250) <input type="checkbox"/> Goose Creek (15A NCAC 02B .0605-.0608)	<input type="checkbox"/> Intermittent/Perennial Determination

Stream	E/I/P*	Not Subject	Subject	Start@	Stop@	Soil Survey	USGS Topo
Ditch A	MD	X		-----	-----		X
Ditch B	MD	X		-----	-----		X
Ditch C	MD	X		-----	-----		X
Ditch D	MD	X		-----	-----		X
Ditch E	MD	X		-----	-----		X
Ditch F	MD	X		-----	-----		X
Ditch G	MD	X		-----	-----		X
Ditch H	MD	X		-----	-----		X
Ditch I	MD	X		-----	-----		X
Ditch J	MD	X		-----	-----		X



Stream	E/I/P*	Not Subject	Subject	Start@	Stop@	Soil Survey	USGS Topo
Ditch K	MD	X		-----	-----		X
Ditch L	MD	X		-----	-----		X
Ditch M	MD	X		-----	-----		X
Ditch N	MD	X		-----	-----		X
Ditch O	MD	X		-----	-----		X
Ditch P	MD	X		-----	-----		X
Ditch Q	MD	X		-----	-----		X
Ditch R	MD	X		-----	-----		X
Ditch S	MD	X		-----	-----		X
Ditch T	MD	X		-----	-----		X
Ditch U	MD	X		-----	-----		X
Ditch V	MD	X		-----	-----		X
Ditch W	MD	X		-----	-----		X
Ditch X	MD	X		-----	-----		X
Ditch Y	MD	X		-----	-----		X
Ditch Z	MD	X		-----	-----		X
Ditch A2	MD	X		-----	-----		X
Ditch B2	MD	X		-----	-----		X
Ditch C2	MD	X		-----	-----		X
Ditch D2	MD	X		-----	-----		X
Ditch E2	MD	X		-----	-----		X
Ditch F2	MD	X		-----	-----		X
Ditch G2	MD	X		-----	-----		X
Ditch H2	MD	X		-----	-----		X
Ditch I2	MD	X		-----	-----		X
Ditch J2	MD	X		-----	-----		X
Ditch L2	MD	X		-----	-----		X
Ditch M2	MD	X		-----	-----		X
Ditch N2	MD	X		-----	-----		X
Ditch O2	MD	X		-----	-----		X
Ditch P2	MD	X		-----	-----		X
Ditch Q2	MD	X		-----	-----		X
Ditch R2	MD	X		-----	-----		X
Ditch S2	MD	X		-----	-----		X
Ditch T2	MD	X		-----	-----		X
Ditch U2	MD	X		-----	-----		X
Ditch V2	MD	X		-----	-----		X
Ditch W2	MD	X		-----	-----		X
Ditch X2	MD	X		-----	-----		X
Ditch Y2	MD	X		-----	-----		X
Ditch Z2	MD	X		-----	-----		X
Ditch A3	MD	X		-----	-----		X
Ditch B3	MD	X		-----	-----		X
Ditch C3	MD	X		-----	-----		X
Ditch D3	MD	X		-----	-----		X

Stream	E/I/P/ MD*	Not Subject	Subject	Start@	Stop@	Soil Survey	USGS Topo
Ditch E3	MD	X		-----	-----		X
Ditch F3	MD	X		-----	-----		X
Ditch G3	MD	X		-----	-----		X
Ditch H3	MD	X		-----	-----		X
Ditch I3	MD	X		-----	-----		X
Canal No. 1	MD	X		-----	-----		X
Canal No. 2	MD	X		-----	-----		X
Canal No. 3	MD	X		-----	-----		X
Canal No. 4	MD	X		-----	-----		X
Canal No. 5	MD	X		-----	-----		X
Canal No. 6	MD	X		-----	-----		X
Canal No. 7	MD	X		-----	-----		X
Canal No. 8	MD	X		-----	-----		X
Canal No. 9	MD	X		-----	-----		X
Canal No. 10	MD	X		-----	-----		X
Canal No. 11	MD	X		-----	-----		X
Canal No. 12	MD	X		-----	-----		X
Ditch #1	NSP	X		-----	-----		X

*\*E/I/P/NSP/MD = Ephemeral/Intermittent/Perennial/No Stream Present/Man-made Ditch*

The Division of Water Resources has determined that the streams listed above and included on the attached map have been located on the most recent published NRCS Soil Survey of WASHINGTON County, North Carolina and/or the most recent copy of the USGS Topographic map at a 1:24,000 scale and evaluated for applicability to the TAR-PAMLICO River Riparian Buffer Rules. Each stream that is checked "Not Subject" has been determined to not be at least intermittent or not present on the property. Streams that are checked "Subject" have been located on the property and possess characteristics that qualify them to be at least intermittent streams. There may be other streams or features located on the property that do not appear on the maps referenced above but may be considered jurisdictional according to the US Army Corps of Engineers and subject to the Clean Water Act.

**This on-site determination shall expire five (5) years from the date of this letter. Landowners or affected parties that dispute a determination made by the DWR may request a determination by the Director. An appeal request must be made within sixty (60) calendar days of date of this letter to the Director in writing.**

*If sending via US Postal Service:*

*c/o Paul Wojoski  
DWR – 401 & Buffer Permitting Unit  
1617 Mail Service Center  
Raleigh, NC 27699-1617*

*If sending via delivery service (UPS, FedEx, etc.):*

*c/o Paul Wojoski  
DWR – 401 & Buffer Permitting Unit  
512 N. Salisbury Street  
Raleigh, NC 27604*

This determination is final and binding as detailed above, unless an appeal is requested within sixty (60) days.

This determination only addresses the applicability to the buffer rules and does not approve any activity within the buffers. The project may require a Section 404/401 Permit for the proposed activity. Any inquiries regarding applicability to the Clean Water Act should be directed to the US Army Corps of Engineers Washington Regulatory Field Office at (910) 251-4595.

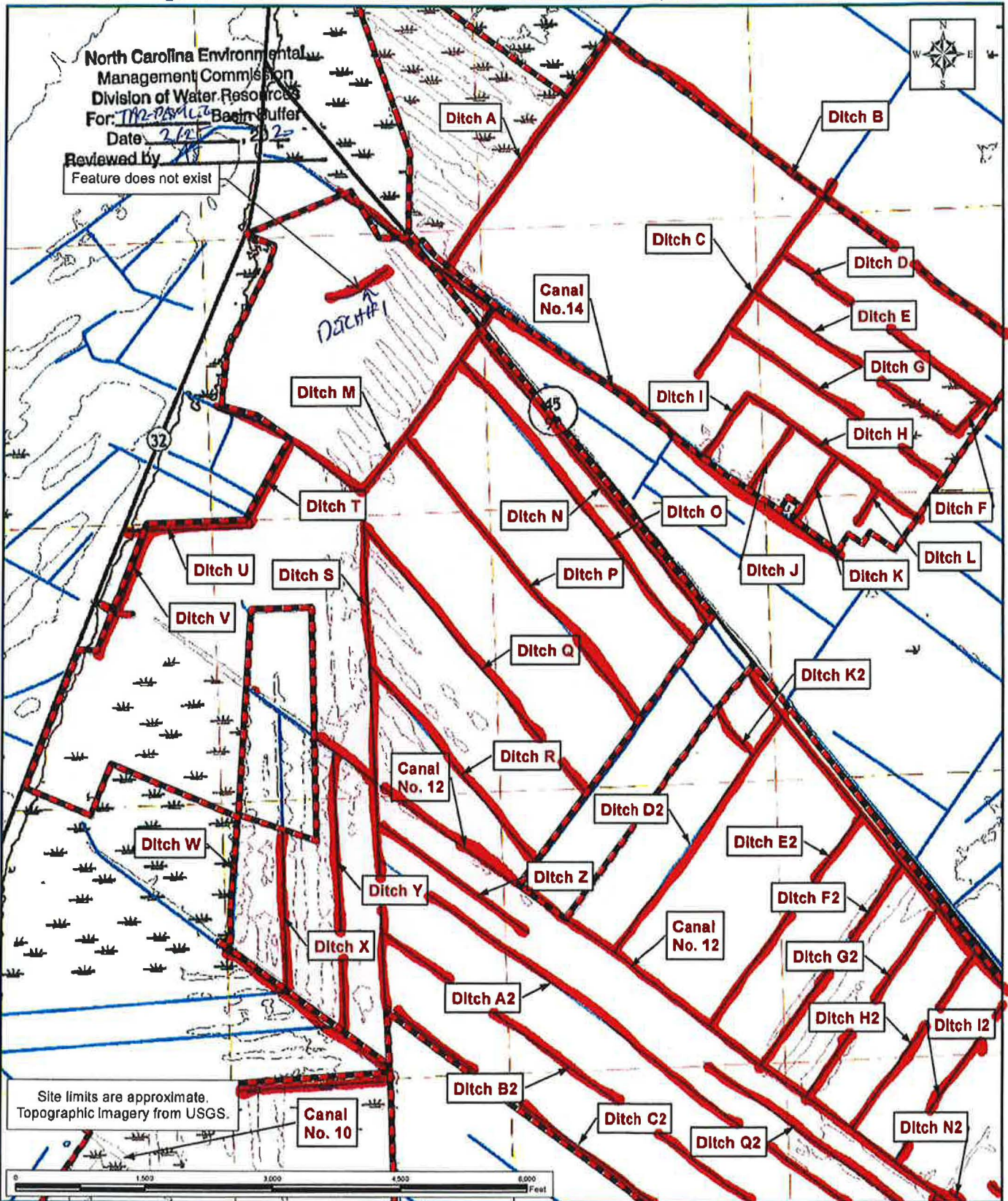
If you have questions regarding this determination, please feel free to contact Anthony Scarbraugh at (252) 948-3924.

Sincerely,

*David May*

David May, Regional Supervisor  
Water Quality Regional Operations Section  
Division of Water Resources, NCDEQ

cc: Ben Sagara, Timmons Group, Inc. (via email)  
Billy Standridge, US Army Corps of Engineers Washington Regulatory Office (via email)  
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**MACADAMIA SOLAR**  
 WASHINGTON COUNTY, NORTH CAROLINA  
**FIGURE 7: DWR BUFFER DETERMINATION MAP**

**TIMMONS GROUP**  
 YOUR VISION ACHIEVED THROUGH OURS.

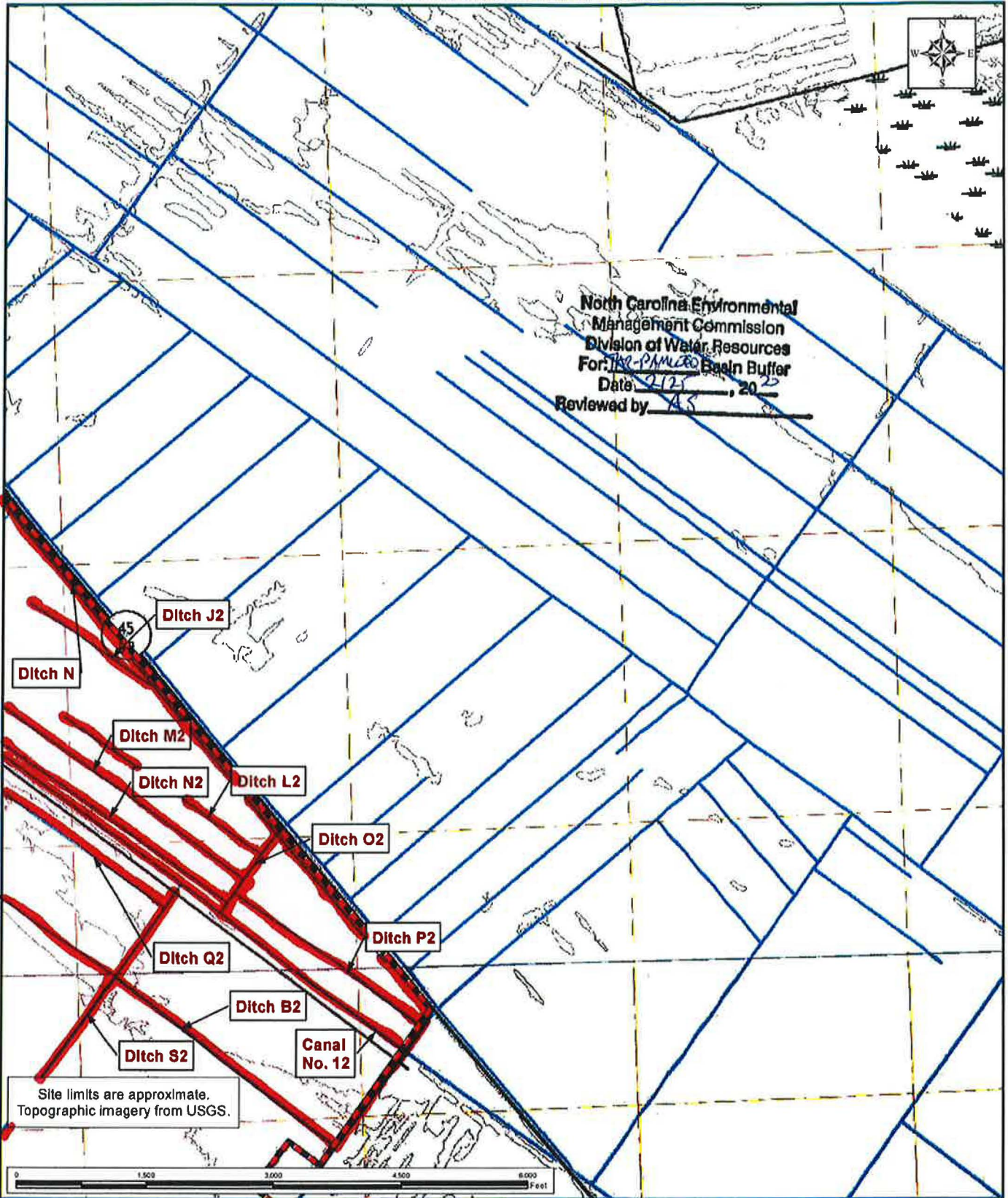
TIMMONS GROUP JOB NUMBER: 37460.019  
 PROJECT STUDY LIMITS: 5,534.6 ACRES  
 LATITUDE: 35.745380  
 LONGITUDE: -76.695637

U.S.G.S. QUADRANGLE(S): PIKE ROAD, PLYMOUTH EAST  
 DATE(S): 2019  
 WATERSHED(S): PAMLICO (PAMPLICO RIVER BASIN)  
 HYDROLOGIC UNIT CODE(S): 03020104

SHEET NUMBER

2 of 6

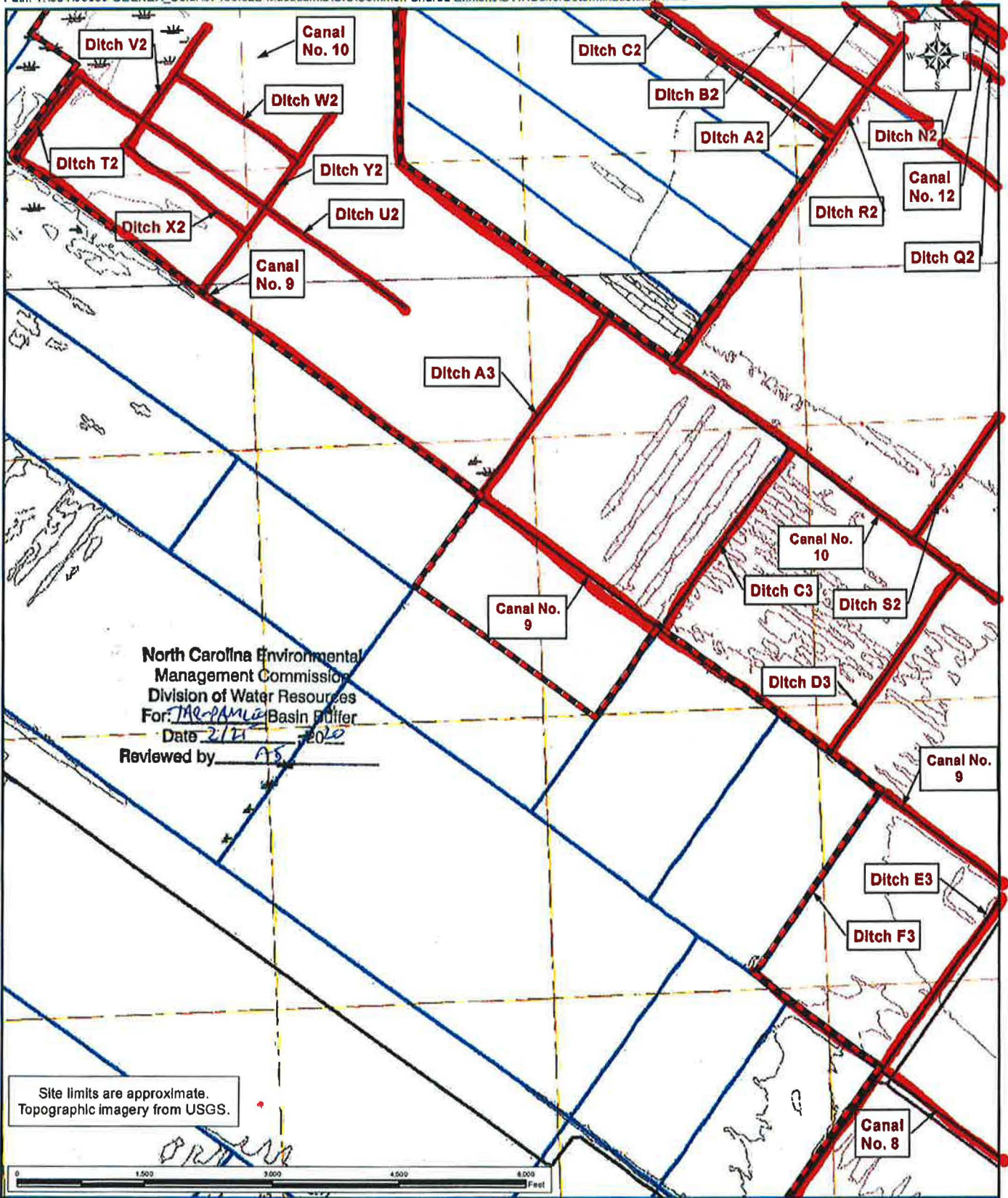
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Site limits are approximate.  
Topographic imagery from USGS.

<p><b>MACADAMIA SOLAR</b> WASHINGTON COUNTY, NORTH CAROLINA <b>FIGURE 7: DWR BUFFER DETERMINATION MAP</b></p>		<p><b>TIMMONS GROUP</b> YOUR VISION ACHIEVED THROUGH OURS.</p>	
<p>TIMMONS GROUP JOB NUMBER: 37460.019 PROJECT STUDY LIMITS: 5,534.6 ACRES LATITUDE: 35.746380 LONGITUDE: -78.695637</p>		<p>U.S.G.S. QUADRANGLE(S): PIKE ROAD, PLYMOUTH EAST DATE(S): 2019 WATERSHED(S): PAMLICO (PAMPLICO RIVER BASIN) HYDROLOGIC UNIT CODE(S): 03020104</p>	
		<p>SHEET NUMBER 3 of 6</p>	

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North Carolina Environmental  
 Management Commission  
 Division of Water Resources  
 For: TAR-PAMLICO Basin Buffer  
 Date: 2/11/2020  
 Reviewed by: AS

Site limits are approximate.  
 Topographic imagery from USGS.



**MACADAMIA SOLAR**  
 WASHINGTON COUNTY, NORTH CAROLINA  
**FIGURE 7: DWR BUFFER DETERMINATION MAP**

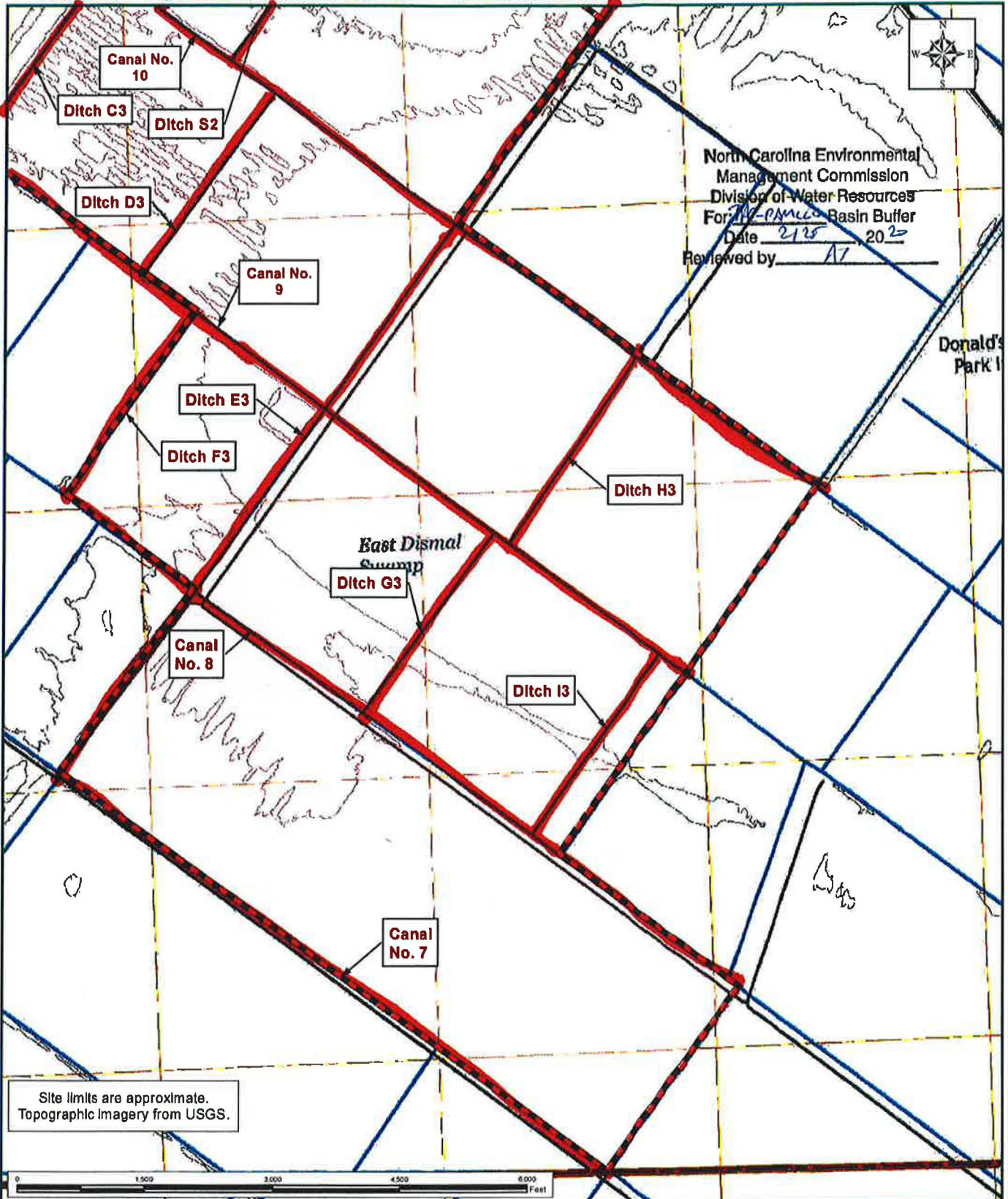
TIMMONS GROUP JOB NUMBER: 37460.019  
 PROJECT STUDY LIMITS: 5,534.6 ACRES  
 LATITUDE: 35.745380  
 LONGITUDE: -76.695637

**TIMMONS GROUP**  
 YOUR VISION ACHIEVED THROUGH OURS.

U.S.G.S. QUADRANGLE(S): PIKE ROAD, PLYMOUTH EAST  
 DATE(S): 2019  
 WATERSHED(S): PAMLICO (PAMPLICO RIVER BASIN)  
 HYDROLOGIC UNIT CODE(S): 03020104

SHEET NUMBER  
 4 of 6

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North Carolina Environmental  
 Management Commission  
 Division of Water Resources  
 For PMLCO Basin Buffer  
 Date 2/25 2020  
 Reviewed by AT

Donald's  
 Park I

Site limits are approximate.  
 Topographic Imagery from USGS.

<b>MACADAMIA SOLAR</b> WASHINGTON COUNTY, NORTH CAROLINA <b>FIGURE 7: DWR BUFFER DETERMINATION MAP</b>		<b>TIMMONS GROUP</b> YOUR VISION ACHIEVED THROUGH OURS.	
TIMMONS GROUP JOB NUMBER: 37460.019 PROJECT STUDY LIMITS: 5,534.6 ACRES LATITUDE: 35.745380 LONGITUDE: -76.695637		U.S.G.S. QUADRANGLE(S): PIKE ROAD, PLYMOUTH EAST DATE(S): 2019 WATERSHED(S): PAMLICO (PAMPLICO RIVER BASIN) HYDROLOGIC UNIT CODE(S): 03020104	
		SHEET NUMBER 5 of 6	

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 Aug 30 2021