

U.S. ARMY CORPS OF ENGINEERS
WILMINGTON DISTRICT

Action Id. SAW-2018-01942 County: Washington County U.S.G.S. Quad: Pike Road

NOTIFICATION OF JURISDICTIONAL DETERMINATION

Property Owner/Applicant: Geenex Solar
c/o Juergen Fehr
Address: 7804-C Fairview Road #257
Charlotte, NC 28226

Size (acres)	<u>5,534.6</u>	Nearest Town	<u>Lees Mill</u>
Nearest Waterway	<u>Pungo River</u>	River Basin	<u>Pamlico</u>
USGS HUC	<u>03020104</u>	Coordinates	Latitude: <u>35.72837</u> Longitude: <u>-76.69097</u>

Location description: The review area for this jurisdictional determination is a 5,534.6-acre site consisting of multiple parcels located east of HWY 32, approximately 6 miles south of Plymouth in Washington County, North Carolina. The review area is predominantly existing farm fields, but also contains approximately 133 acres of wetlands, 15.2 miles of canals, and 7.6 miles of ditches.

Indicate Which of the Following Apply:

A. Preliminary Determination

- There are waters, including wetlands, on the above described project area, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). The waters, including wetlands, have been delineated, and the delineation has been verified by the Corps to be sufficiently accurate and reliable. Therefore this preliminary jurisdiction determination may be used in the permit evaluation process, including determining compensatory mitigation. For purposes of computation of impacts, compensatory mitigation requirements, and other resource protection measures, a permit decision made on the basis of a preliminary JD will treat all waters and wetlands that would be affected in any way by the permitted activity on the site as if they are jurisdictional waters of the U.S. This preliminary determination is not an appealable action under the Regulatory Program Administrative Appeal Process (Reference 33 CFR Part 331). However, you may request an approved JD, which is an appealable action, by contacting the Corps district for further instruction.**
- There are wetlands on the above described property, that may be subject to Section 404 of the Clean Water Act (CWA)(33 USC § 1344) and/or Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403). However, since the waters, including wetlands, have not been properly delineated, this preliminary jurisdiction determination may not be used in the permit evaluation process. Without a verified wetland delineation, this preliminary determination is merely an effective presumption of CWA/RHA jurisdiction over all of the waters, including wetlands, at the project area, which is not sufficiently accurate and reliable to support an enforceable permit decision. We recommend that you have the waters of the U.S. on your property delineated. As the Corps may not be able to accomplish this wetland delineation in a timely manner, you may wish to obtain a consultant to conduct a delineation that can be verified by the Corps.**

B. Approved Determination

- There are Navigable Waters of the United States within the above described property subject to the permit requirements of Section 10 of the Rivers and Harbors Act (RHA) (33 USC § 403) and Section 404 of the Clean Water Act (CWA)(33 USC § 1344). Unless there is a change in law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.**
- There are waters of the U.S., including wetlands, on the above described project area subject to the permit requirements of Section 404 of the Clean Water Act (CWA) (33 USC § 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.**

SAW-2018-01942

— The waters of the U.S., including wetlands, on your project area have been delineated and the delineation has been verified by the Corps. We strongly suggest you have this delineation surveyed. Upon completion, this survey should be reviewed and verified by the Corps. Once verified, this survey will provide an accurate depiction of all areas subject to CWA jurisdiction on your property which, provided there is no change in the law or our published regulations, may be relied upon for a period not to exceed five years.

— The waters of the U.S., including wetlands, have been delineated and surveyed and are accurately depicted on the plat signed by the Corps Regulatory Official identified below on _____. Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

— There are no waters of the U.S., to include wetlands, present on the above described project area which are subject to the permit requirements of Section 404 of the Clean Water Act (33 USC 1344). Unless there is a change in the law or our published regulations, this determination may be relied upon for a period not to exceed five years from the date of this notification.

X **The property is located in one of the 20 Coastal Counties subject to regulation under the Coastal Area Management Act (CAMA). You should contact the Division of Coastal Management in Washington, NC, at (252) 946-6481 to determine their requirements.**

Placement of dredged or fill material within waters of the US, including wetlands, without a Department of the Army permit may constitute a violation of Section 301 of the Clean Water Act (33 USC § 1311). Placement of dredged or fill material, construction or placement of structures, or work within navigable waters of the United States without a Department of the Army permit may constitute a violation of Sections 9 and/or 10 of the Rivers and Harbors Act (33 USC § 401 and/or 403). If you have any questions regarding this determination and/or the Corps regulatory program, please contact **Billy Standridge at (910) 251-4595 or Billy.W.Standridge@usace.army.mil.**

C. Basis For Determination: The wetlands within the property were delineated using the Corps of Engineers 1987 Wetland Delineation Manual and the Atlantic and Gulf Coastal Plain Regional Supplement Version 2.0.

D. Remarks: All potential waters of the U.S. are depicted on the attached Macadamia Solar Waters of the U.S. Delineation Map (Figure 6. Sheets 1-13) dated 05/02/2018 (most recent revision (05/20/2019) created by Timmons Group.

E. Attention USDA Program Participants

This delineation/determination has been conducted to identify the limits of Corps' Clean Water Act jurisdiction for the particular site identified in this request. The delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985. If you or your tenant are USDA Program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resources Conservation Service, prior to starting work.

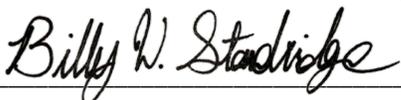
F. Appeals Information for Approved Jurisdiction Determinations (as indicated in Section B. above)

If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal this determination you must submit a completed RFA form to the following address:

US Army Corps of Engineers
South Atlantic Division
Attn: Jason Steele, Review Officer
60 Forsyth Street SW, Room 10M15
Atlanta, Georgia 30303-8801

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAP. Should you decide to submit an RFA form, it must be received at the above address by **N/A**.

It is not necessary to submit an RFA form to the Division Office if you do not object to the determination in this correspondence.

Corps Regulatory Official: 

Date: **June 5, 2019** Expiration Date: **N/A**

SAW-2018-01942

The Wilmington District is committed to providing the highest level of support to the public. To help us ensure we continue to do so, please complete our Customer Satisfaction Survey, located online at http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0.

Copy Furnished (via email):

Mr. Ben Sagara
Timmons Group
1001 Boulders Parkway, Suite 300
Richmond, VA 23225

OFFICIAL COPY

Aug 30 2021

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: **Geenex Solar c/o Juergen Fehr**File Number: **SAW-2018-01942**Date: **June 5, 2019**

Attached is:

See Section below

<input type="checkbox"/>	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
<input type="checkbox"/>	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
<input type="checkbox"/>	PERMIT DENIAL	C
<input type="checkbox"/>	APPROVED JURISDICTIONAL DETERMINATION	D
<input checked="" type="checkbox"/>	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision.

Additional information may be found at <http://www.usace.army.mil/Missions/CivilWorks/RegulatoryProgramandPermits.aspx> or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **OBJECT:** If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- **ACCEPT:** If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.
- **APPEAL:** If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- **ACCEPT:** You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.
- **APPEAL:** If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision and/or the appeal process you may contact:

**District Engineer, Wilmington Regulatory Division,
Attn: Billy Standridge**

If you only have questions regarding the appeal process you may also contact:

Mr. Jason Steele, Administrative Appeal Review Officer
CESAD-PDO
U.S. Army Corps of Engineers, South Atlantic Division
60 Forsyth Street, Room 10M15
Atlanta, Georgia 30303-8801
Phone: (404) 562-5137

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

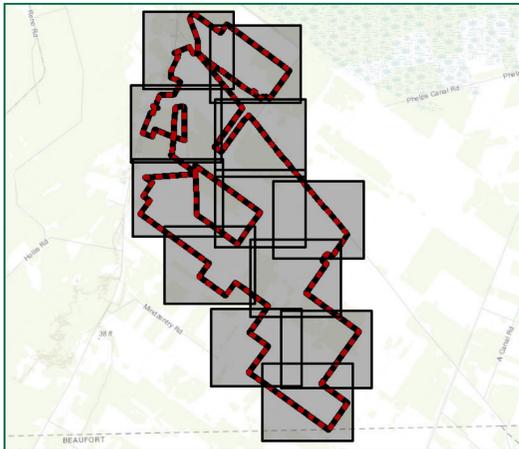
<p>_____</p> <p>Signature of appellant or agent.</p>	Date:	Telephone number:
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For appeals on Initial Proffered Permits send this form to:

District Engineer, Wilmington Regulatory Division, Attn: Billy Standridge, 69 Darlington Avenue, Wilmington, North Carolina 28403

For Permit denials, Proffered Permits and approved Jurisdictional Determinations send this form to:

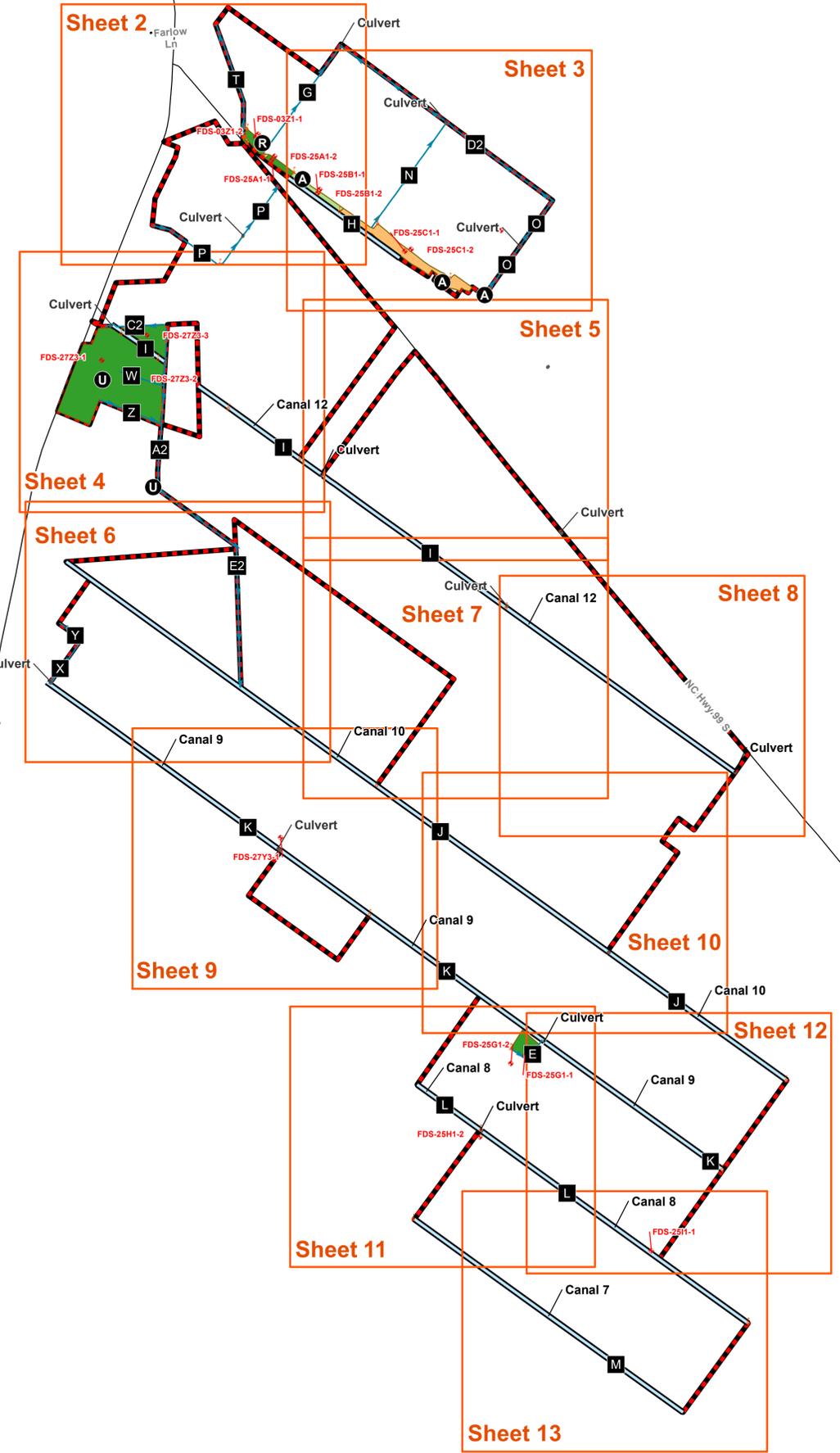
**Division Engineer, Commander, U.S. Army Engineer Division, South Atlantic, Attn: Mr. Jason Steele, Administrative Appeal Officer, CESAD-PDO, 60 Forsyth Street, Room 10M15, Atlanta, Georgia 30303-8801
Phone: (404) 562-5137**



Resource Identification	Confirmation						Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)			
A	95,388	743,670	183,067						NT / V
D	250,251								NT / V
E							1,101		NT / NV
G							3,258		NT / NV
H							3,292		NT / NV
I							17,648		NT / NV
J							21,332		NT / NV
K							20,037		NT / NV
L							9,807		NT / NV
M							7,955		NT / NV
N							3,111		NT / NV
O							2,734		NT / NV
P							4,238		NT / NV
R	145,412		2,555						NT / V
S	8,179								NT / V
T							2,794		NT / NV
U	3,848,200								NT / V
V	515,692								NT / V
W							1,105		NT / NV
X							770		NT / NV
Y							1,980		NT / NV
Z							1,588		NT / NV
A2							3,049		NT / NV
B2							830		NT / NV
C2							1,473		NT / NV
D2							6,356		NT / NV
E2							5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	80,091	40,268	
Total Wetland Area =		5,792,414 sq ft						132.98 ac	
Total Stream Length =		120,329 lf							

* T=Tidal; NT=Non-tidal; V=Vegetated; NV=Non-Vegetated; PFO=Palustrine Forested Wetland; PSS=Palustrine Scrub-Shrub Wetland; PEM=Palustrine Emergent Wetland; POW= Palustrine Open Water; EIW= Estuarine Intertidal Wetlands; R3= Upper Perennial Streams; R4=Intermittent Streams; R5 = Ephemeral Streams

- ### Legend
- Project Study Limits - 5,534.6 Acres
 - Stream Identifier
 - Wetland Identifier
 - Wetland Flag
 - Field Data Station
 - Canal (Non-agricultural per Albermarle Drainage District No. 5)
 - Ditch
 - Culvert
 - Palustrine Forested (PFO) Wetlands
 - Palustrine Scrub Shrub (PSS) Wetlands
 - Palustrine Emergent (PEM) Wetlands
 - Topographic Contours



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 1001 Boulders Parkway, Suite 300
 Richmond, VA 23225
 TEL 804.200.6500
 www.timmons.com

MACADAMIA SOLAR
 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

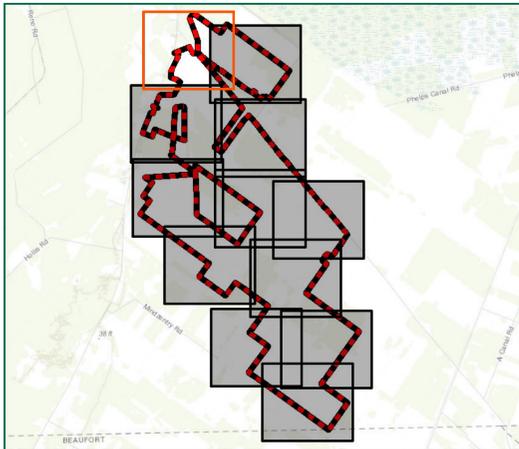
1. Waters of the U.S. within the project study limits have been located using submeter, Bluetooth GPS antennas by Timmons Group.
2. Waters of the U.S. have not been confirmed by the U.S. Army Corps of Engineers until stamped.
3. Project limits are approximate.
4. Topography based on USGS LIDAR.
5. Cowardin Stream Classifications are based solely on field observations. No formal Stream assessment methodology was completed to determine these Cowardin Classifications.
6. Canal numbers based on Albermarle Drainage District No. 5.

These plans and associated documents are the exclusive property of TIMMONS GROUP and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.

#	MM/DD/YYYY	DESCRIPTION
1	07/06/2018	Project limits updated.
2	02/02/2019	Project limits updated.
3	02/02/2019	Updated per ACDE site visit.

DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

SCALE (FEET)
 0 1,800 3,600
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 1,800' 1

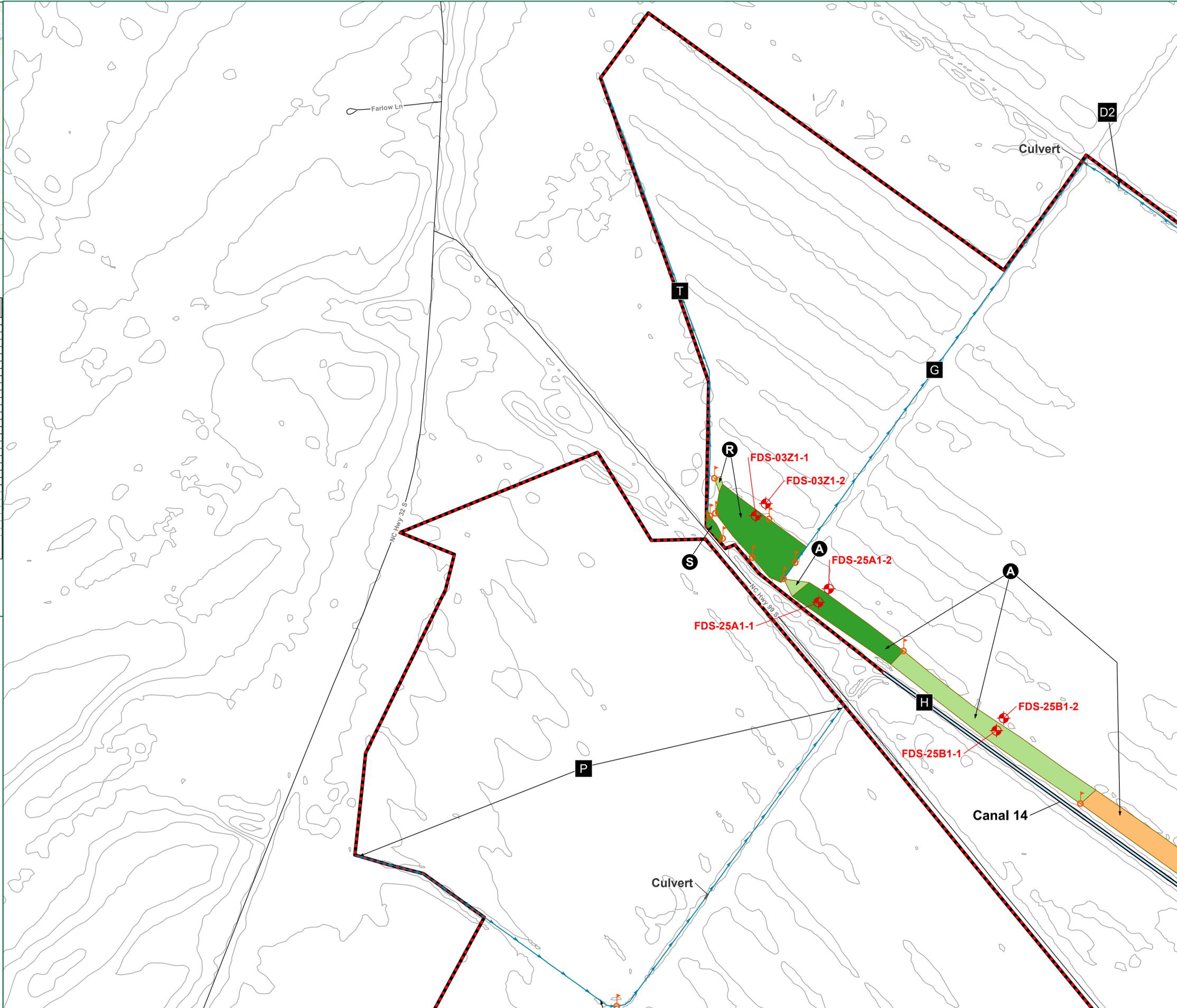


Resource Identification	Confirmation								Resource Description Notes*	
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)	R5 (ft)	Canal (ft)		Ditch (ft)
A	95,388	743,670	183,067							NT / V
D	250,251									NT / V
E								1,101		NT / NV
G								3,258		NT / NV
H								3,292		NT / NV
I								17,648		NT / NV
J								21,332		NT / NV
K								20,037		NT / NV
L								9,807		NT / NV
M								7,955		NT / NV
N								3,111		NT / NV
O								2,734		NT / NV
P								4,236		NT / NV
R	145,412		2,555							NT / V
S	8,179									NT / V
T								2,794		NT / NV
U	3,848,200									NT / V
V	515,692									NT / V
W								1,105		NT / NV
X								770		NT / NV
Y								1,980		NT / NV
Z								1,588		NT / NV
A2								3,049		NT / NV
B2								830		NT / NV
C2								1,473		NT / NV
D2								6,356		NT / NV
E2								5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	0	80,091	40,268	
Total Wetland Area =		5,792,414 sq ft						132.98 ac		
Total Stream Length =		120,329 lf								

* T=Tidal; NT=Non-tidal; V=Vegetated; NV=Non-Vegetated; PFO=Palustrine Forested Wetland; PSS=Palustrine Scrub-Shrub Wetland; PEM=Palustrine Emergent Wetland; POW= Palustrine Open Water; EIW= Estuarine Intertidal Wetlands; R3= Upper Perennial Streams; R4=Intermittent Streams; R5 = Ephemeral Streams

Legend

- Project Study Limits - 5,534.6 Acres
- Stream Identifier
- Wetland Identifier
- Wetland Flag
- Field Data Station
- Canal (Non-agricultural per Albermarle Drainage District No. 5)
- Ditch
- Culvert
- Palustrine Forested (PFO) Wetlands
- Palustrine Scrub Shrub (PSS) Wetlands
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MACADAMIA SOLAR
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DATE: 05/02/2018
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4. Topography based on USGS LIDAR.
5. Cowardin Stream Classifications are based solely on field observations. No formal Stream assessment methodology was completed to determine these Cowardin Classifications.
6. Canal numbers based on Albermarle Drainage District No. 5.

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DRAWING DESCRIPTION
FIGURE 6:
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SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 2

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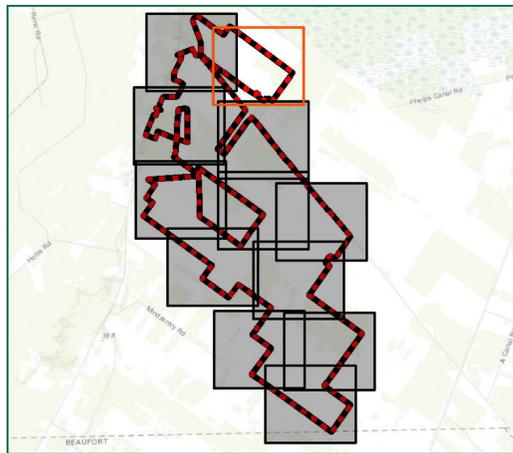
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DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP



SCALE (FEET)

0	310	620
PLANS PRINTED AS 11X17 ARCH HALF SCALE		
SCALE	SHEET NUMBER	
H:1" = 300'	3	

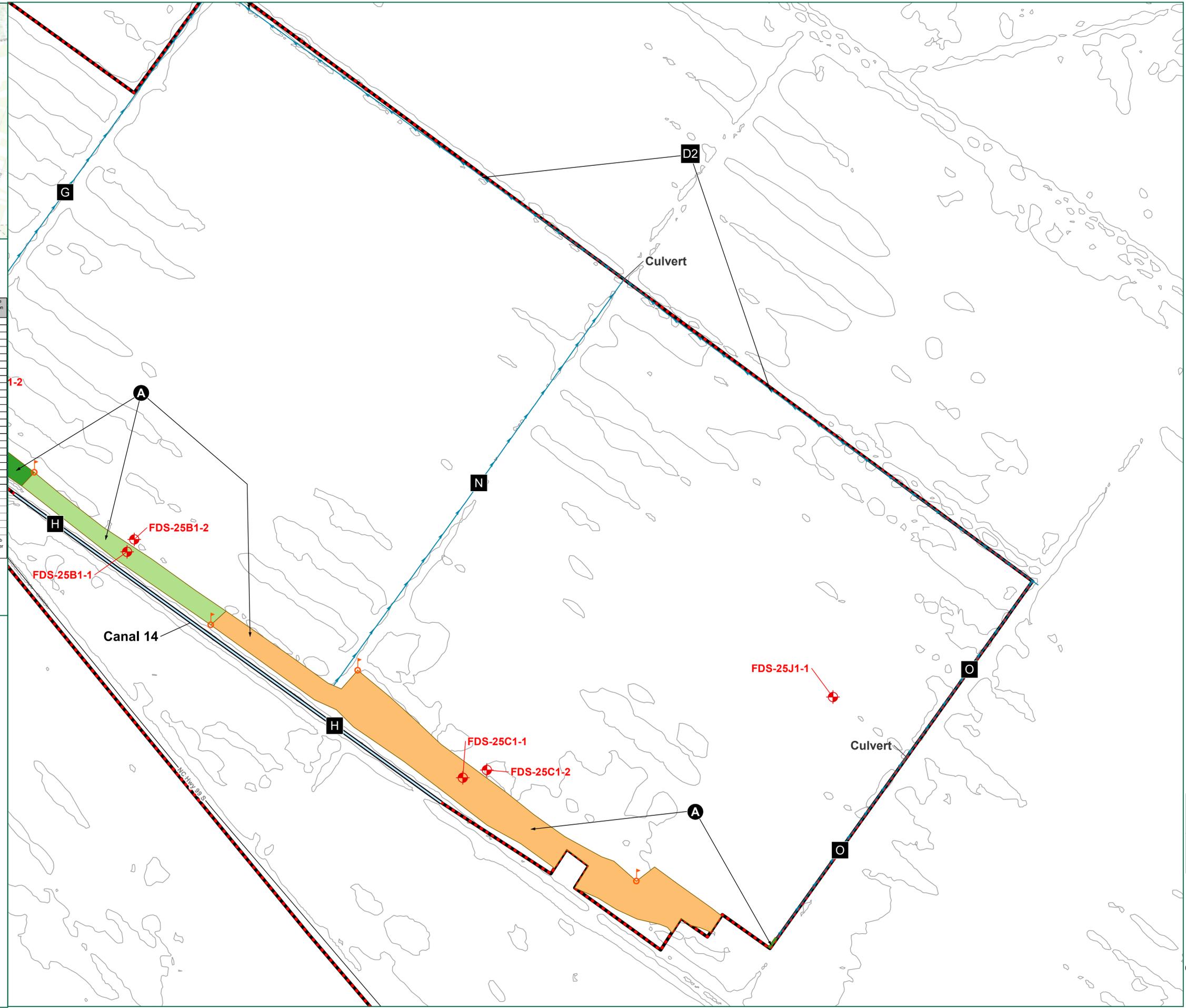


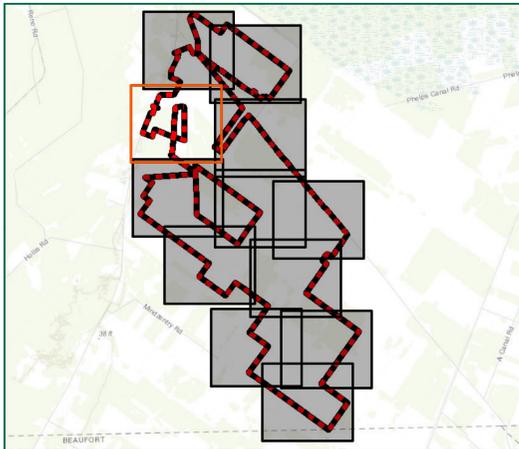
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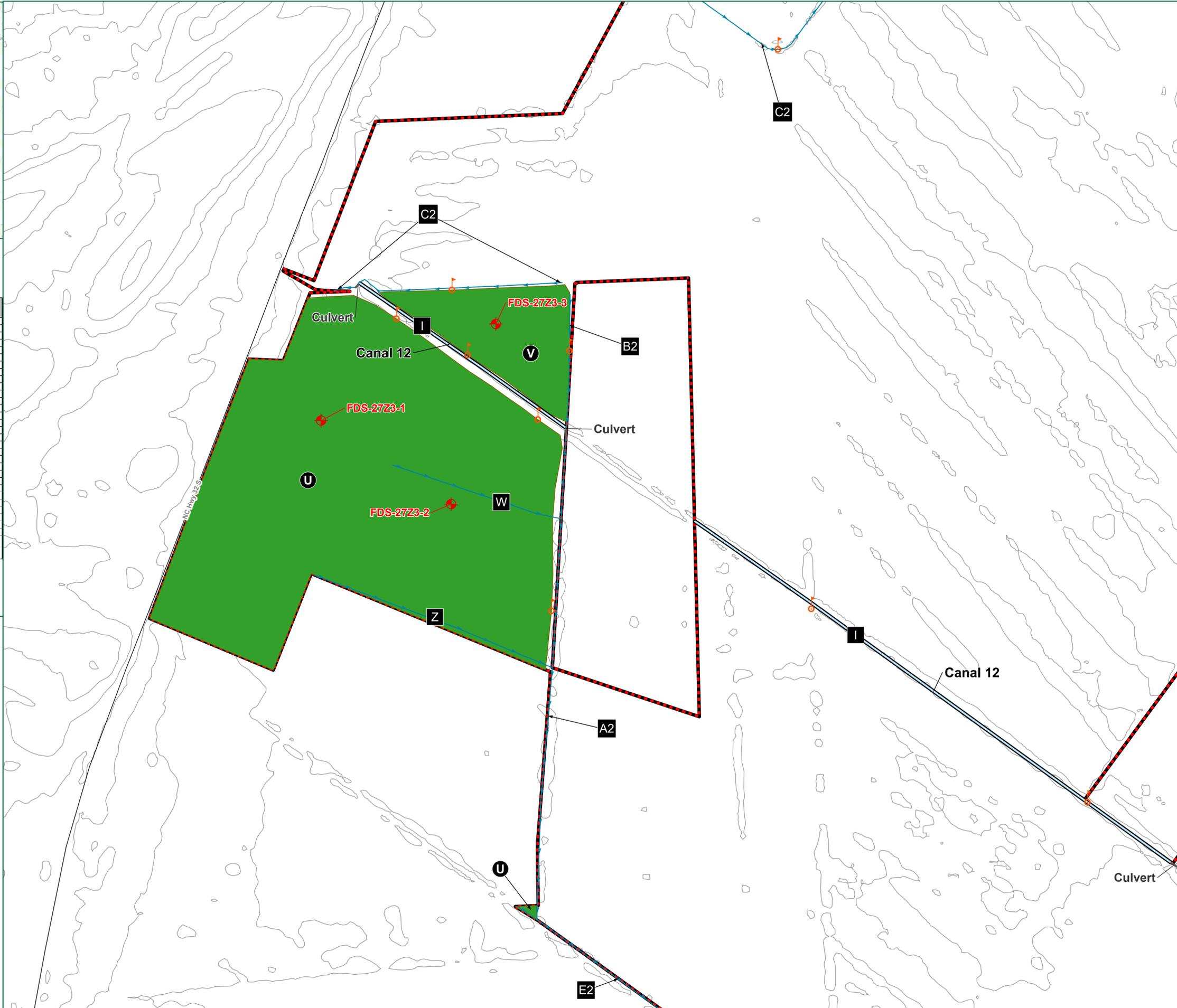


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P							4,238		NT / NV
R	145,412		2,555						NT / V
S	8,179								NT / V
T							2,794		NT / NV
U	3,848,200								NT / V
V	515,692								NT / V
W							1,105		NT / NV
X							770		NT / NV
Y							1,980		NT / NV
Z							1,588		NT / NV
A2							3,049		NT / NV
B2							830		NT / NV
C2							1,473		NT / NV
D2							6,356		NT / NV
E2							5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	80,961	40,268	
Total Wetland Area =		5,792,414 sq ft						132.98 ac	
Total Stream Length =		120,329 lf							

* T=Tidal; NT=Non-Tidal; V=Vegetated; NV=Non-Vegetated; PFO=Palustrine Forested Wetland; PSS=Palustrine Scrub-Shrub Wetland; PEM=Palustrine Emergent Wetland; POW=Palustrine Open Water; EIW=Estuarine Intertidal Wetlands; R3=Upper Perennial Streams; R4=Intermittent Streams; R5=Ephemeral Streams

Legend

- Project Study Limits - 5,534.6 Acres
- Stream Identifier
- Wetland Identifier
- Wetland Flag
- Field Data Station
- Canal (Non-agricultural per Albermarle Drainage District No. 5)
- Ditch
- Culvert
- Palustrine Forested (PFO) Wetlands
- Palustrine Scrub Shrub (PSS) Wetlands
- Palustrine Emergent (PEM) Wetlands
- Topographic Contours



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MACADAMIA SOLAR
 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE	05/02/2018
PROJECT NUMBER	37460.019
PROJECT NAME	MACADAMIA SOLAR
DESIGNED BY / DRAWN BY	L. WHEELER

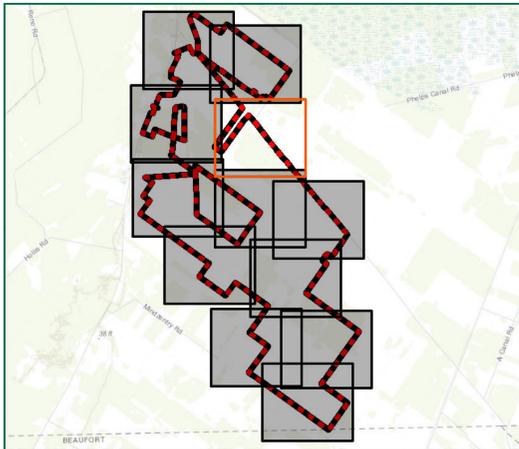
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3. Project limits are approximate.
4. Topography based on USGS LIDAR.
5. Cowardin Stream Classifications are based solely on field observations. No formal Stream assessment methodology was completed to determine these Cowardin Classifications.
6. Canal numbers based on Albermarle Drainage District No. 5.

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#	MM/DD/YYYY	DESCRIPTION
1	07/06/2018	Project limits updated.
2	02/02/2019	Project limits updated.
3	02/02/2019	Updated per ACDE site visit.

DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 4

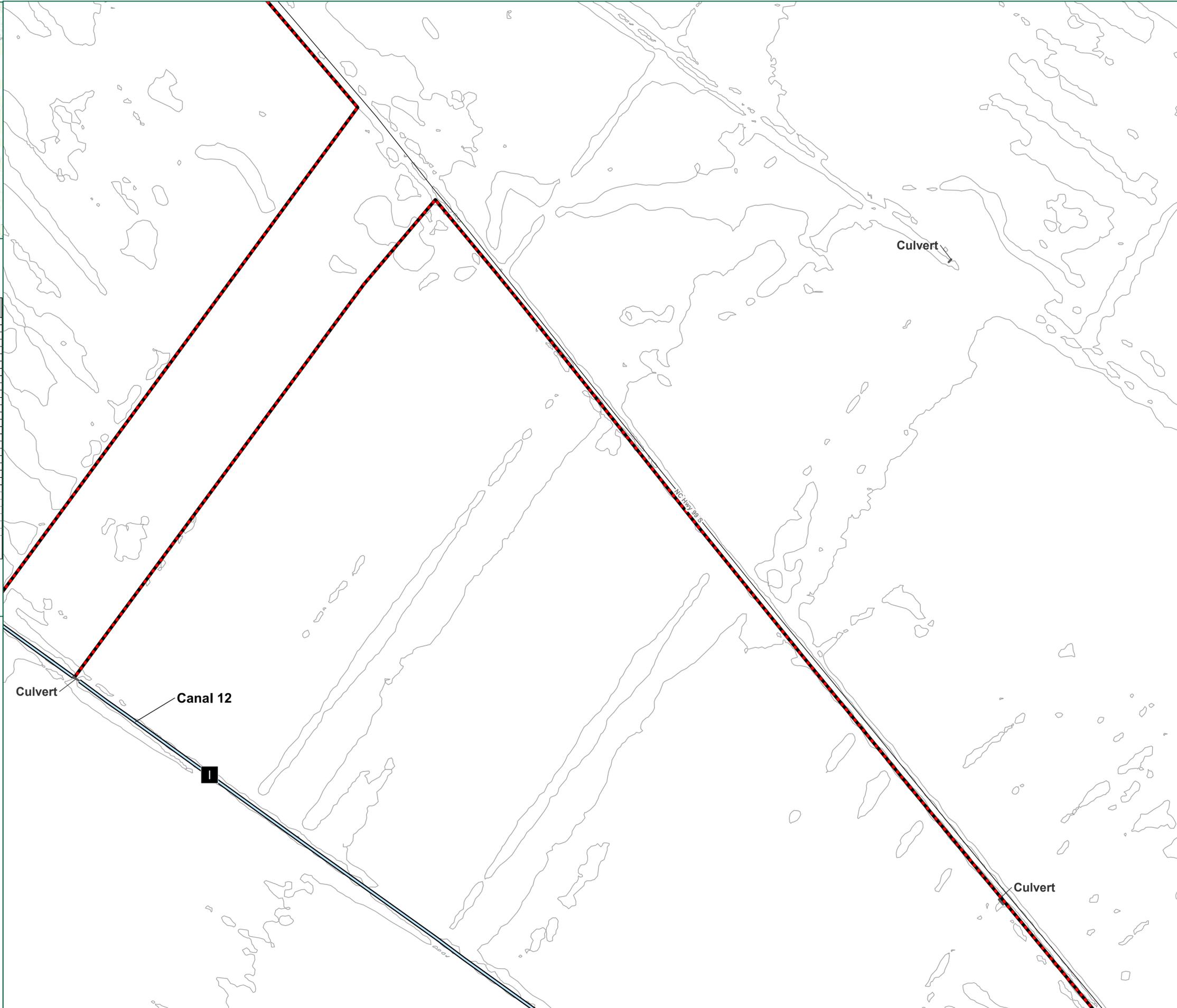


Resource Identification	Confirmation							Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)	R5 (ft)			
A	95,388	743,670	183,067							NT / V
D	250,251									NT / V
E								1,101		NT / NV
G								3,258		NT / NV
H							3,292			NT / NV
I							17,648			NT / NV
J							21,332			NT / NV
K							20,037			NT / NV
L							9,807			NT / NV
M							7,955			NT / NV
N								3,111		NT / NV
O								2,734		NT / NV
P								4,238		NT / NV
R	145,412		2,555							NT / V
S	8,179									NT / V
T								2,794		NT / NV
U	3,848,200									NT / V
V	515,692									NT / V
W								1,105		NT / NV
X								770		NT / NV
Y								1,980		NT / NV
Z								1,588		NT / NV
A2								3,049		NT / NV
B2								830		NT / NV
C2								1,473		NT / NV
D2								6,356		NT / NV
E2								5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	0	80,091	40,268	
Total Wetland Area =		5,792,414 sq ft						132.98 ac		
Total Stream Length =		120,329 lf								

* T=Tidal; NT=Non-tidal; V=Vegetated; NV=Non-Vegetated; PFO=Palustrine Forested Wetland; PSS=Palustrine Scrub-Shrub Wetland; PEM=Palustrine Emergent Wetland; POW= Palustrine Open Water; EIW= Estuarine Intertidal Wetlands; R3= Upper Perennial Streams; R4=Intermittent Streams; R5= Ephemeral Streams

Legend

- Project Study Limits - 5,534.6 Acres
- Stream Identifier
- Wetland Identifier
- Wetland Flag
- Field Data Station
- Canal (Non-agricultural per Albermarle Drainage District No. 5)
- Ditch
- Culvert
- Palustrine Forested (PFO) Wetlands
- Palustrine Scrub Shrub (PSS) Wetlands
- Palustrine Emergent (PEM) Wetlands
- Topographic Contours



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MACADAMIA SOLAR
 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

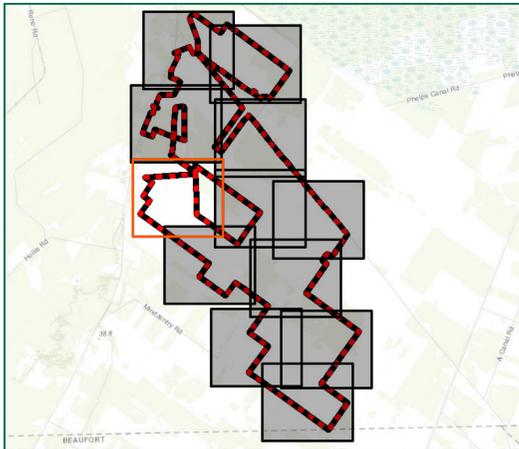
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6. Canal numbers based on Albermarle Drainage District No. 5.

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2	02/02/2019	Project limits updated.
3	02/02/2019	Updated per ACDE site visit.

DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

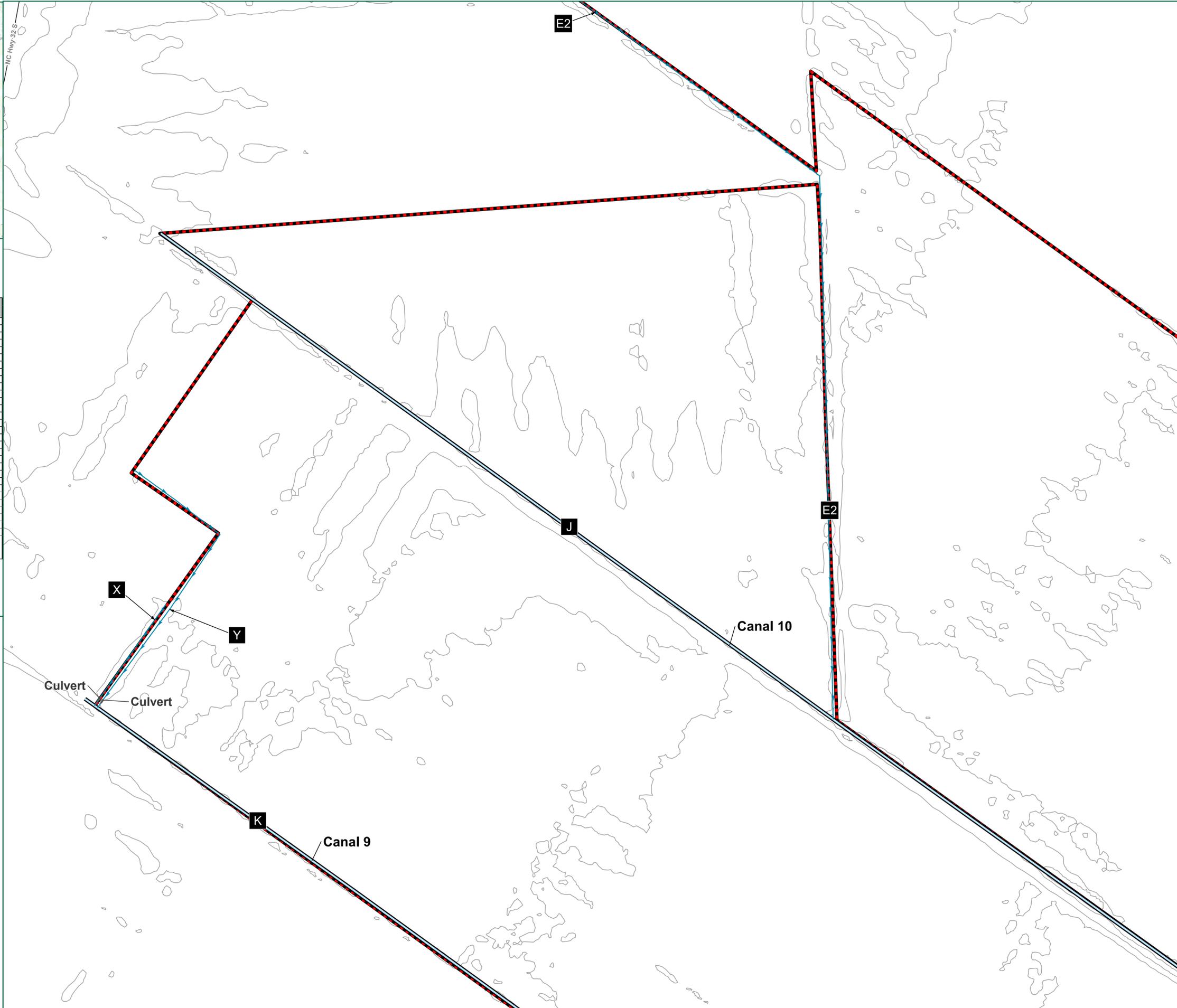
SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 5



Resource Identification	Confirmation						Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)			
A	95,388	743,670	183,067						NT / V
D	250,251								NT / V
E							1,101		NT / NV
G							3,258		NT / NV
H						3,292			NT / NV
I						17,648			NT / NV
J						21,332			NT / NV
K						20,037			NT / NV
L						9,807			NT / NV
M						7,955			NT / NV
N							3,111		NT / NV
O							2,734		NT / NV
P							4,238		NT / NV
R	145,412		2,555						NT / V
S	8,179								NT / V
T							2,794		NT / NV
U	3,848,200								NT / V
V	515,692								NT / V
W							1,105		NT / NV
X							770		NT / NV
Y							1,980		NT / NV
Z							1,588		NT / NV
A2							3,049		NT / NV
B2							830		NT / NV
C2							1,473		NT / NV
D2							6,356		NT / NV
E2							5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	80,091	40,268	
Total Wetland Area =		5,792,414 sq ft						132.98 ac	
Total Stream Length =		120,329 lf							

* T=Tidal; NT=Non-tidal; V=Vegetated; NV=Non-Vegetated; PFO=Palustrine Forested Wetland; PSS=Palustrine Scrub-Shrub Wetland; PEM=Palustrine Emergent Wetland; POW= Palustrine Open Water; EIW= Estuarine Intertidal Wetlands; R3= Upper Perennial Streams; R4=Intermittent Streams; R5 = Ephemeral Streams

- ### Legend
- Project Study Limits - 5,534.6 Acres
 - Stream Identifier
 - Wetland Identifier
 - Wetland Flag
 - Field Data Station
 - Canal (Non-agricultural per Albermarle Drainage District No. 5)
 - Ditch
 - Culvert
 - Palustrine Forested (PFO) Wetlands
 - Palustrine Scrub Shrub (PSS) Wetlands
 - Palustrine Emergent (PEM) Wetlands
 - Topographic Contours



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MACADAMIA SOLAR
 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

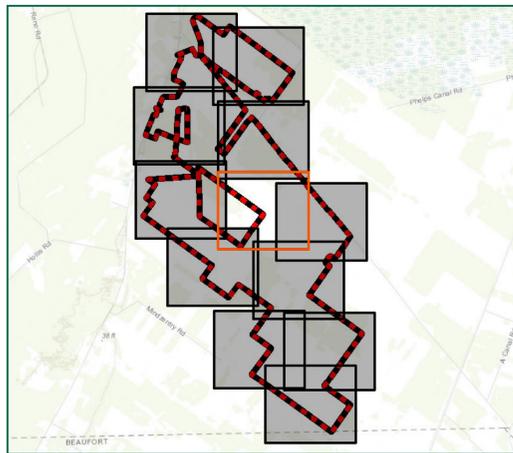
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DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 6

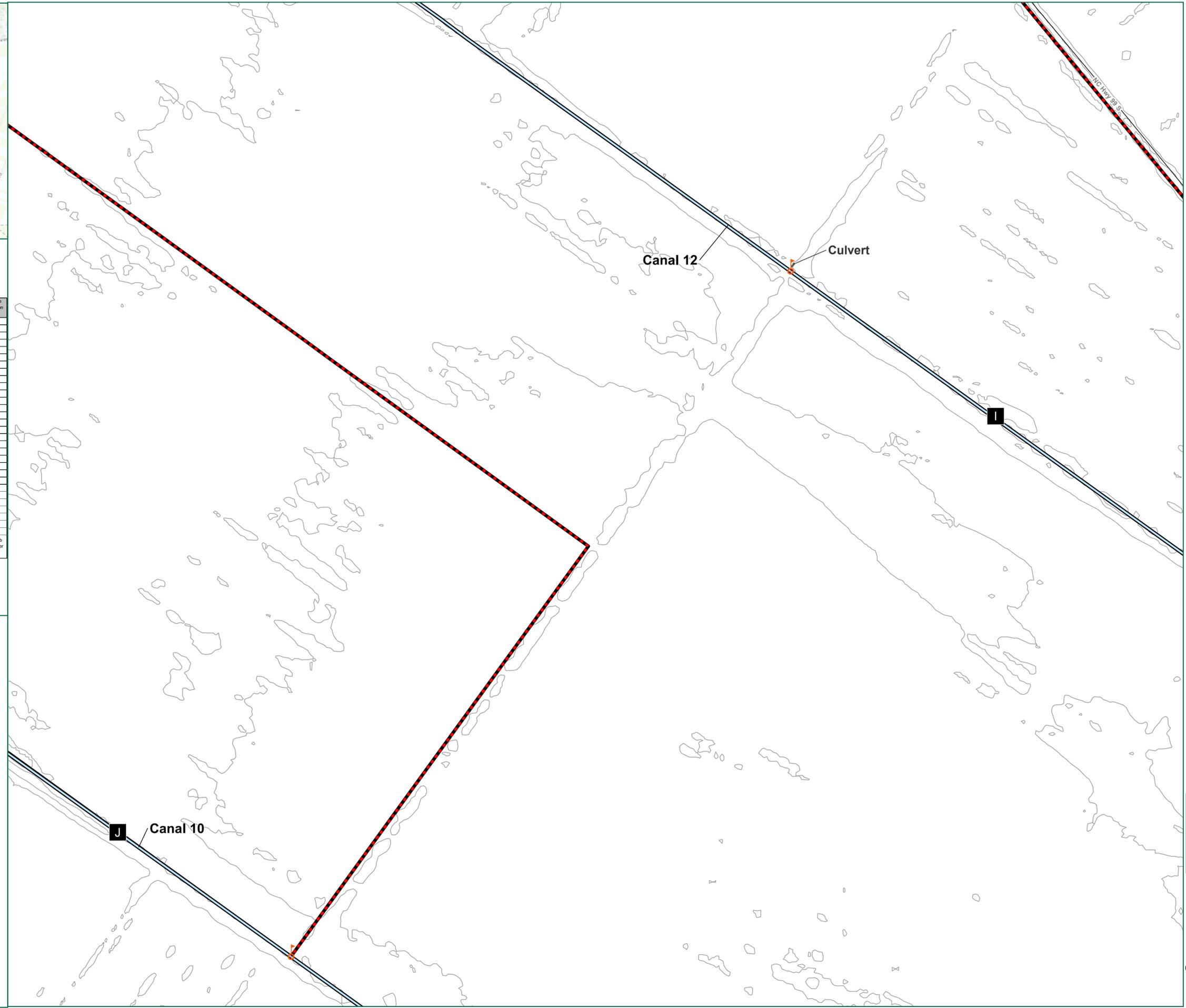


Resource Identification	Confirmation								Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)	R5 (ft)	R6 (ft)			
A	95,388	743,670	183,067								NT / V
D	250,251										NT / V
E									1,101		NT / NV
G									3,258		NT / NV
H								3,292			NT / NV
I								17,648			NT / NV
J								21,332			NT / NV
K								20,037			NT / NV
L								9,807			NT / NV
M								7,955			NT / NV
N									3,111		NT / NV
O									2,734		NT / NV
P									4,238		NT / NV
R	145,412		2,555								NT / V
S	8,179										NT / V
T									2,794		NT / NV
U	3,848,200										NT / V
V	515,692										NT / V
W									1,105		NT / NV
X									770		NT / NV
Y									1,980		NT / NV
Z									1,588		NT / NV
A2									3,049		NT / NV
B2									830		NT / NV
C2									1,473		NT / NV
D2									6,356		NT / NV
E2									5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	0	80,091	40,268		
Total Wetland Area =		5,792,414 sq ft						132.98 ac			
Total Stream Length =		120,329 lf									

* T=Tidal; NT=Non-tidal; V=Vegetated; NV=Non-Vegetated; PFO=Palustrine Forested Wetland; PSS=Palustrine Scrub-Shrub Wetland; PEM=Palustrine Emergent Wetland; POW= Palustrine Open Water; EIW= Estuarine Intertidal Wetlands; R3= Upper Perennial Streams; R4=Intermittent Streams; R6 = Ephemeral Streams

Legend

- Project Study Limits - 5,534.6 Acres
- Stream Identifier
- Wetland Identifier
- Wetland Flag
- Field Data Station
- Canal (Non-agricultural per Albermarle Drainage District No. 5)
- Ditch
- Culvert
- Palustrine Forested (PFO) Wetlands
- Palustrine Scrub Shrub (PSS) Wetlands
- Palustrine Emergent (PEM) Wetlands
- Topographic Contours



PROJECT NAME & LOCATION
MACADAMIA SOLAR
 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

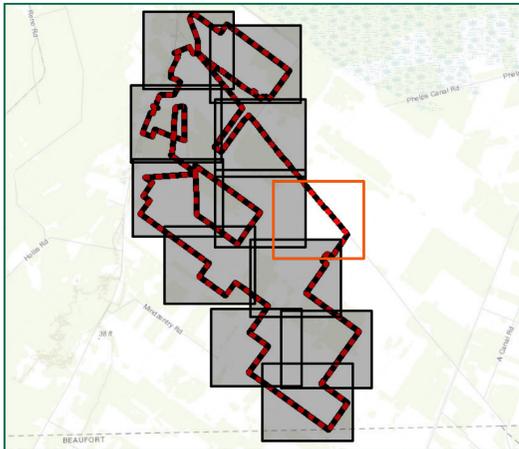
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DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11x17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 7



Resource Identification	Confirmation							Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)	R5 (ft)			
A	95,388	743,670	183,067							NT / V
D	250,251									NT / V
E								1,101		NT / NV
G								3,258		NT / NV
H							3,292			NT / NV
I							17,648			NT / NV
J							21,332			NT / NV
K							20,037			NT / NV
L							9,807			NT / NV
M							7,955			NT / NV
N								3,111		NT / NV
O								2,734		NT / NV
P								4,258		NT / NV
R	145,412		2,555							NT / V
S	8,179									NT / V
T								2,794		NT / NV
U	3,848,200									NT / V
V	515,692									NT / V
W								1,105		NT / NV
X								770		NT / NV
Y								1,980		NT / NV
Z								1,588		NT / NV
A2								3,049		NT / NV
B2								830		NT / NV
C2								1,473		NT / NV
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Legend

- Project Study Limits - 5,534.6 Acres
- Stream Identifier
- Wetland Identifier
- Wetland Flag
- Field Data Station
- Canal (Non-agricultural per Albermarle Drainage District No. 5)
- Ditch
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MACADAMIA SOLAR
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 NORTH CAROLINA

DATE	05/02/2018
PROJECT NUMBER	37460.019
PROJECT NAME	MACADAMIA SOLAR
DESIGNED BY / DRAWN BY	L. WHEELER

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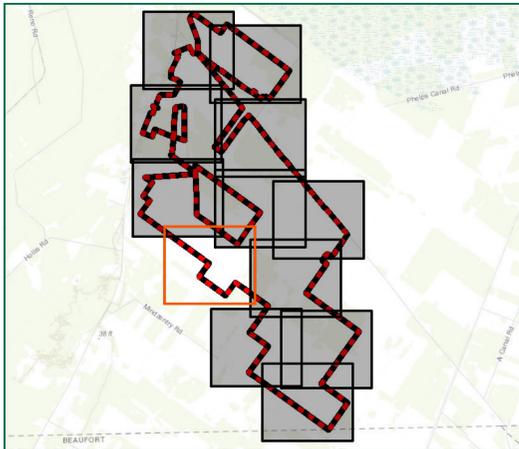
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DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP



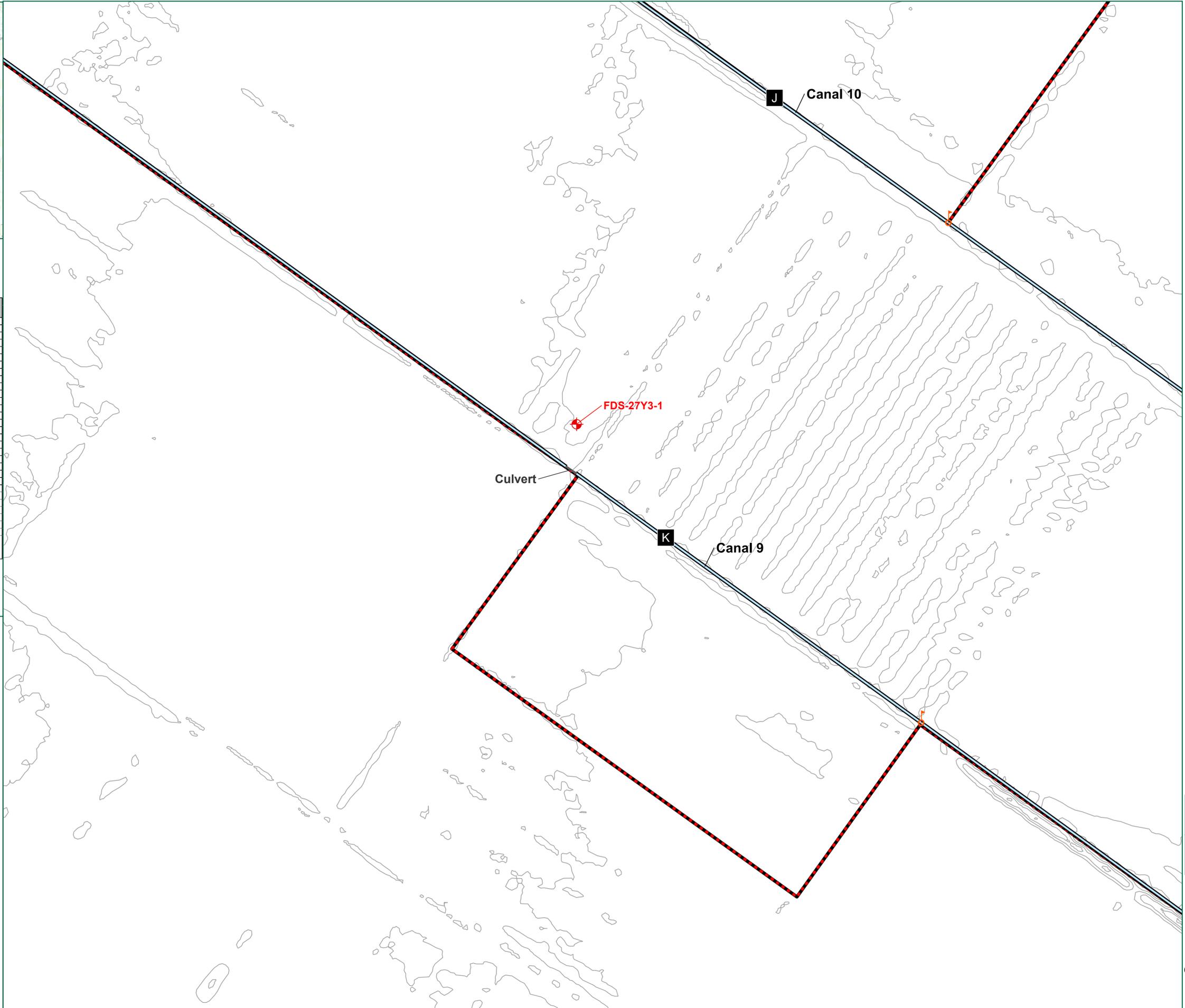
SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 8



Resource Identification	Confirmation							Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)	R5 (ft)			
A	95,388	743,670	183,067							NT / V
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E								1,101		NT / NV
G								3,258		NT / NV
H							3,292			NT / NV
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O								2,734		NT / NV
P								4,238		NT / NV
R	145,412		2,555							NT / V
S	8,179									NT / V
T								2,794		NT / NV
U	3,848,200									NT / V
V	515,692									NT / V
W								1,105		NT / NV
X								770		NT / NV
Y								1,980		NT / NV
Z								1,588		NT / NV
A2								3,049		NT / NV
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- ### Legend
- Project Study Limits - 5,534.6 Acres
 - Stream Identifier
 - Wetland Identifier
 - Wetland Flag
 - Field Data Station
 - Canal (Non-agricultural per Albermarle Drainage District No. 5)
 - Ditch
 - Culvert
 - Palustrine Forested (PFO) Wetlands
 - Palustrine Scrub Shrub (PSS) Wetlands
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 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

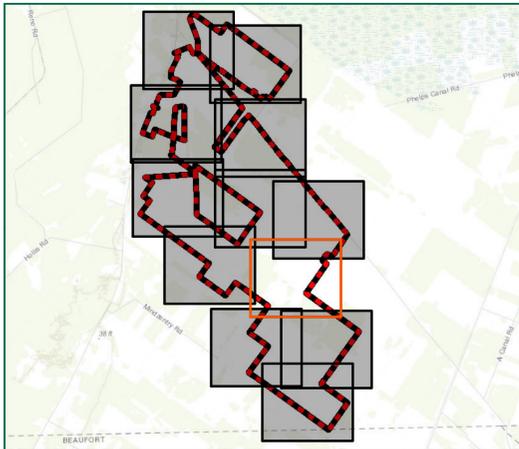
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DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 9

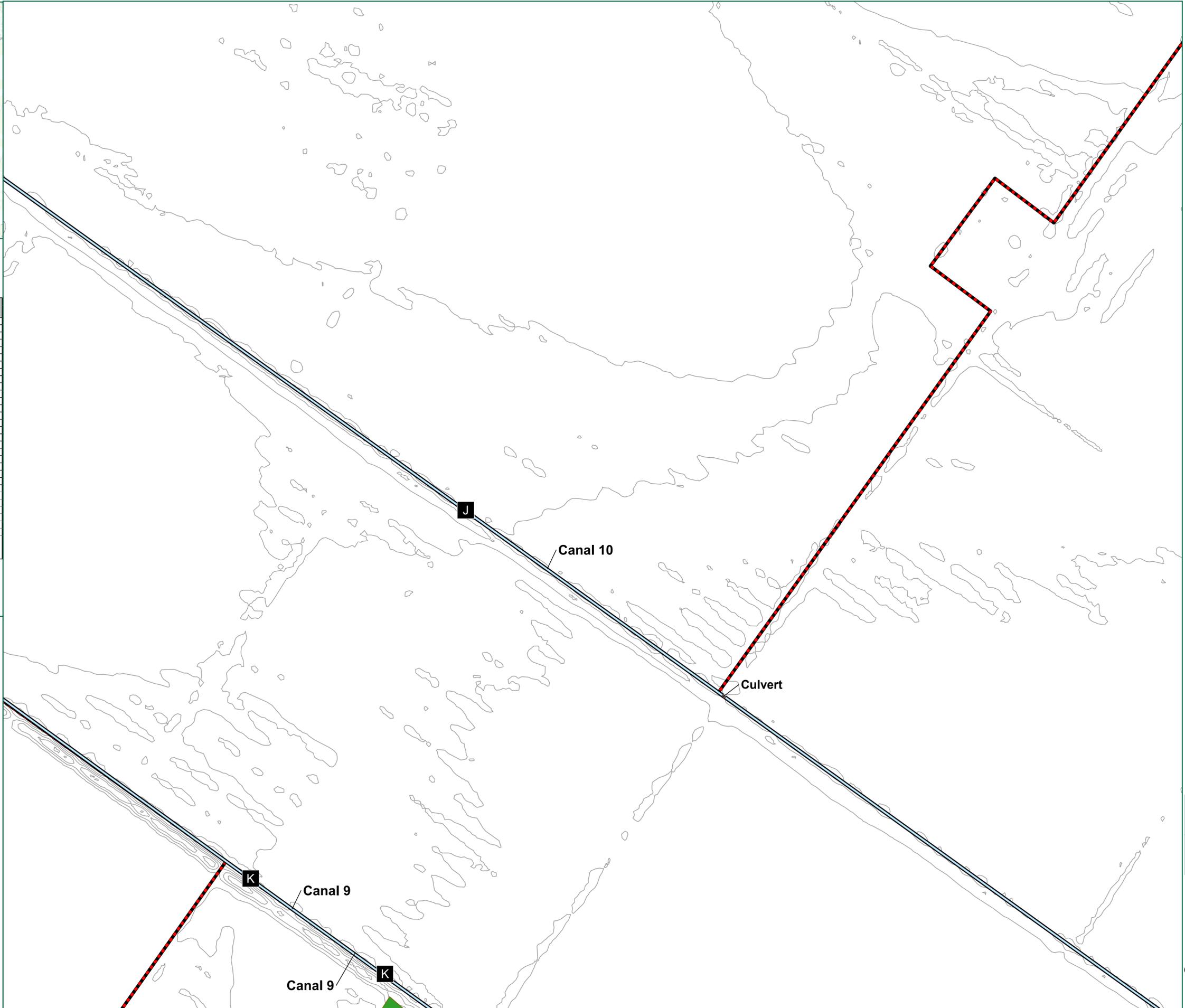


Resource Identification	Confirmation							Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)	R5 (ft)			
A	95,388	743,670	183,067							NT / V
D	250,251									NT / V
E								1,101		NT / NV
G								3,258		NT / NV
H							3,292			NT / NV
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K							20,037			NT / NV
L							9,807			NT / NV
M							7,955			NT / NV
N								3,111		NT / NV
O								2,734		NT / NV
P								4,236		NT / NV
R	145,412		2,555							NT / V
S	8,179									NT / V
T								2,794		NT / NV
U	3,848,200									NT / V
V	515,692									NT / V
W								1,105		NT / NV
X								770		NT / NV
Y								1,980		NT / NV
Z								1,588		NT / NV
A2								3,049		NT / NV
B2								830		NT / NV
C2								1,473		NT / NV
D2								6,356		NT / NV
E2								5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	0	80,991	40,268	
Total Wetland Area =		5,792,414 sq ft						132.98 ac		
Total Stream Length =		120,329 lf								

* T=Tidal; NT=Non-Tidal; V=Vegetated; NV=Non-Vegetated; PFO=Palustrine Forested Wetland; PSS=Palustrine Scrub-Shrub Wetland; PEM=Palustrine Emergent Wetland; POW= Palustrine Open Water; EIW= Estuarine Intertidal Wetlands; R3= Upper Perennial Streams; R4=Intermittent Streams; R5 = Ephemeral Streams

Legend

- Project Study Limits - 5,534.6 Acres
- Stream Identifier
- Wetland Identifier
- Wetland Flag
- Field Data Station
- Canal (Non-agricultural per Albermarle Drainage District No. 5)
- Ditch
- Culvert
- Palustrine Forested (PFO) Wetlands
- Palustrine Scrub Shrub (PSS) Wetlands
- Palustrine Emergent (PEM) Wetlands
- Topographic Contours



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MACADAMIA SOLAR
 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

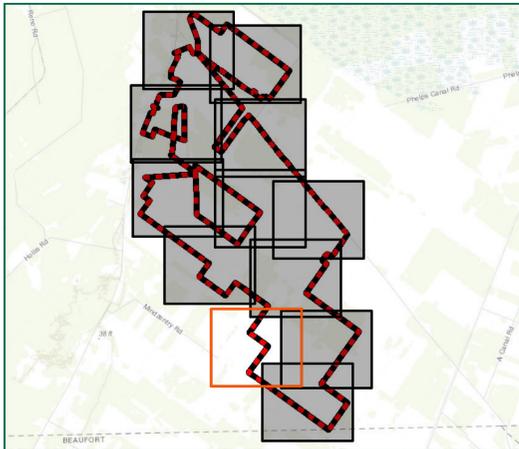
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1	07/06/2018	Project limits updated.
2	02/02/2019	Project limits updated.
3	02/02/2019	Updated per ACDE site visit.

DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

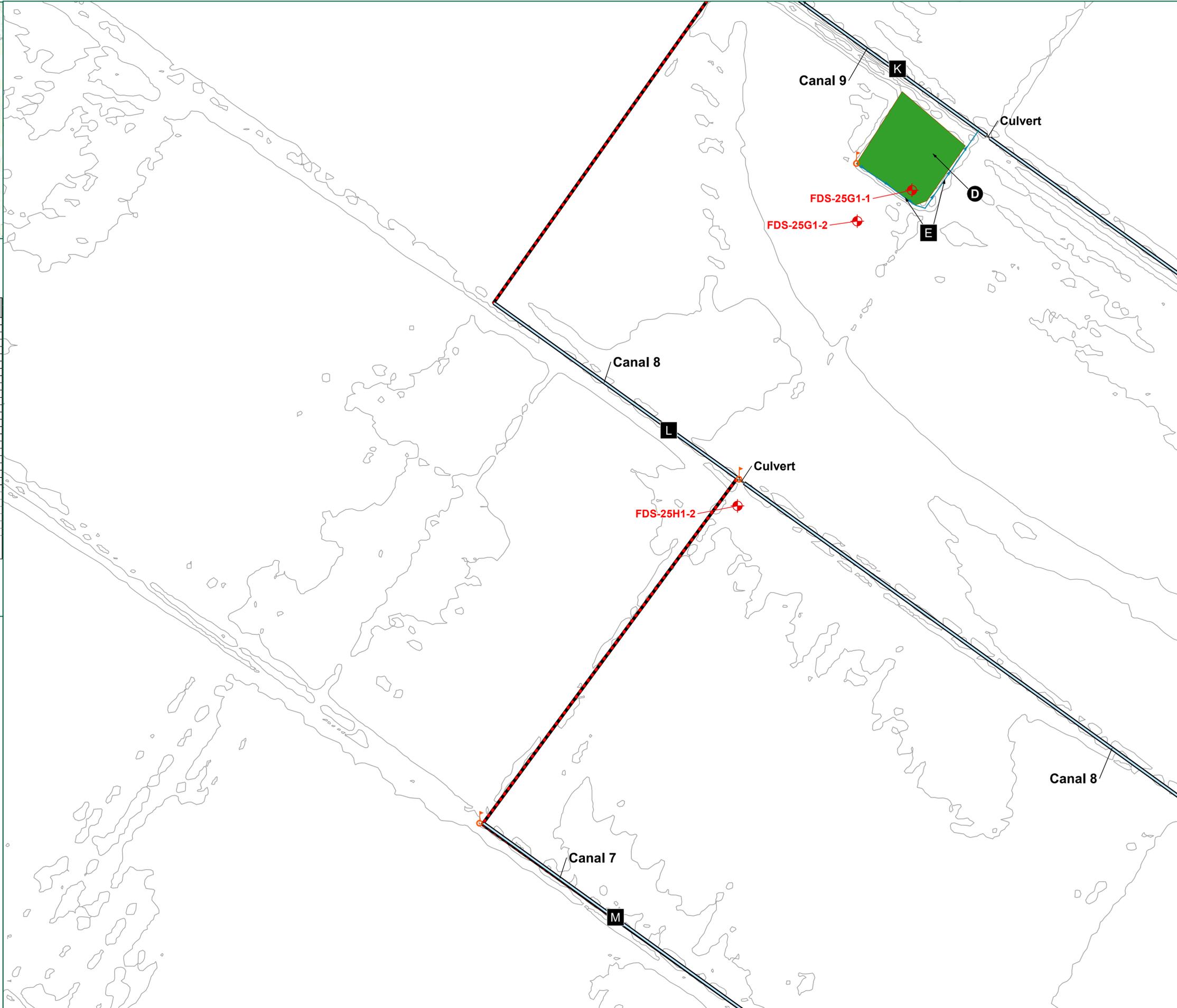
SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 10



Resource Identification	Confirmation							Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)	R5 (ft)			
A	95,388	743,670	183,067							NT / V
D	250,251									NT / V
E								1,101		NT / NV
G								3,258		NT / NV
H							3,292			NT / NV
I							17,648			NT / NV
J							21,332			NT / NV
K							20,037			NT / NV
L							9,807			NT / NV
M							7,955			NT / NV
N								3,111		NT / NV
O								2,734		NT / NV
P								4,238		NT / NV
R	145,412		2,555							NT / V
S	8,179									NT / V
T								2,794		NT / NV
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E2								5,861		NT / NV
Total	4,863,122	743,670	185,622	0	0	0	0	80,091	40,268	
Total Wetland Area =		5,792,414 sq ft						132.98 ac		
Total Stream Length =		120,329 lf								

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- ### Legend
- Project Study Limits - 5,534.6 Acres
 - Stream Identifier
 - Wetland Identifier
 - Wetland Flag
 - Field Data Station
 - Canal (Non-agricultural per Albermarle Drainage District No. 5)
 - Ditch
 - Culvert
 - Palustrine Forested (PFO) Wetlands
 - Palustrine Scrub Shrub (PSS) Wetlands
 - Palustrine Emergent (PEM) Wetlands
 - Topographic Contours



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MACADAMIA SOLAR
 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

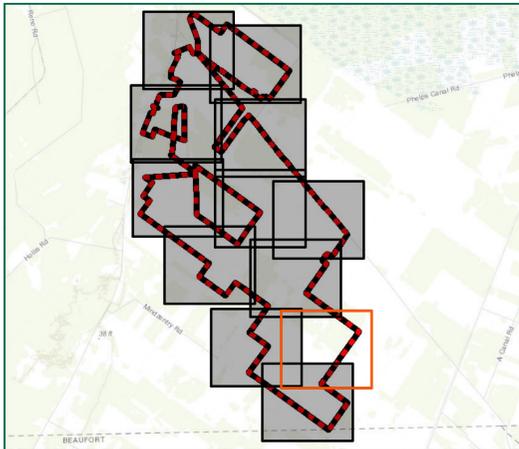
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DRAWING DESCRIPTION
FIGURE 6:
 WATERS OF THE U.S. DELINEATION MAP

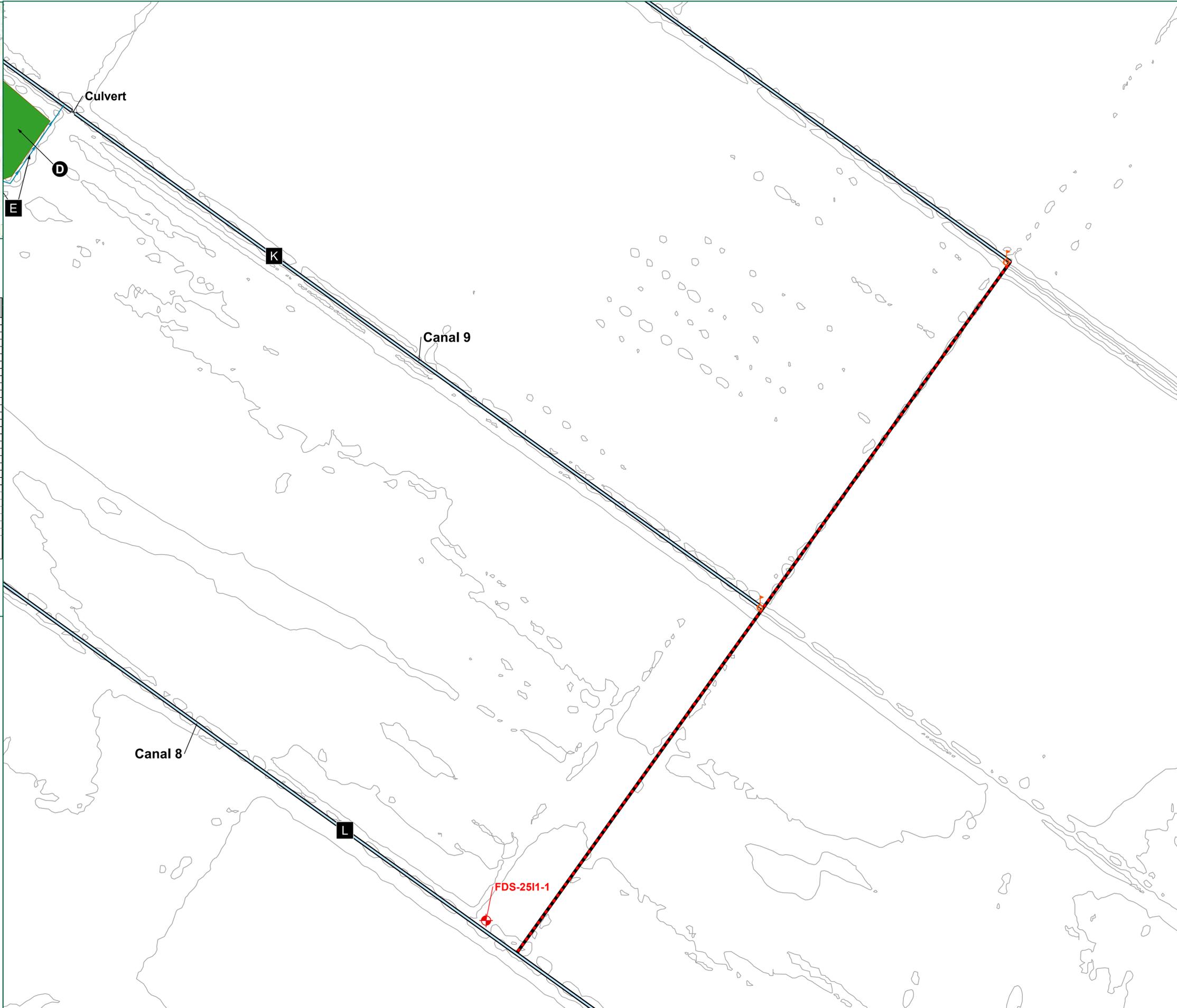
SCALE (FEET)
 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 SCALE SHEET NUMBER
 H:1" = 300' 11



Resource Identification	Confirmation						Canal (ft)	Ditch (ft)	Resource Description Notes*
	PFO (sq ft)	PSS (sq ft)	PEM (sq ft)	POW (sq ft)	R3 (ft)	R4 (ft)			
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D	250,251								NT / V
E							1,101		NT / NV
G							3,258		NT / NV
H						3,292			NT / NV
I						17,648			NT / NV
J						21,332			NT / NV
K						20,037			NT / NV
L						9,807			NT / NV
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T							2,794		NT / NV
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V	515,692								NT / V
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- ### Legend
- Project Study Limits - 5,534.6 Acres
 - Stream Identifier
 - Wetland Identifier
 - Wetland Flag
 - Field Data Station
 - Canal (Non-agricultural per Albermarle Drainage District No. 5)
 - Ditch
 - Culvert
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 WASHINGTON COUNTY,
 NORTH CAROLINA

DATE: 05/02/2018
 PROJECT NUMBER: 37460.019
 PROJECT NAME: MACADAMIA SOLAR
 DESIGNED BY / DRAWN BY: L. WHEELER

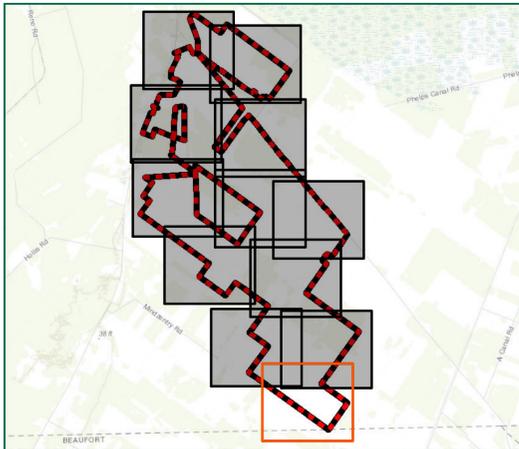
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 0 310 620
 PLANS PRINTED AS 11X17 ARE HALF SCALE
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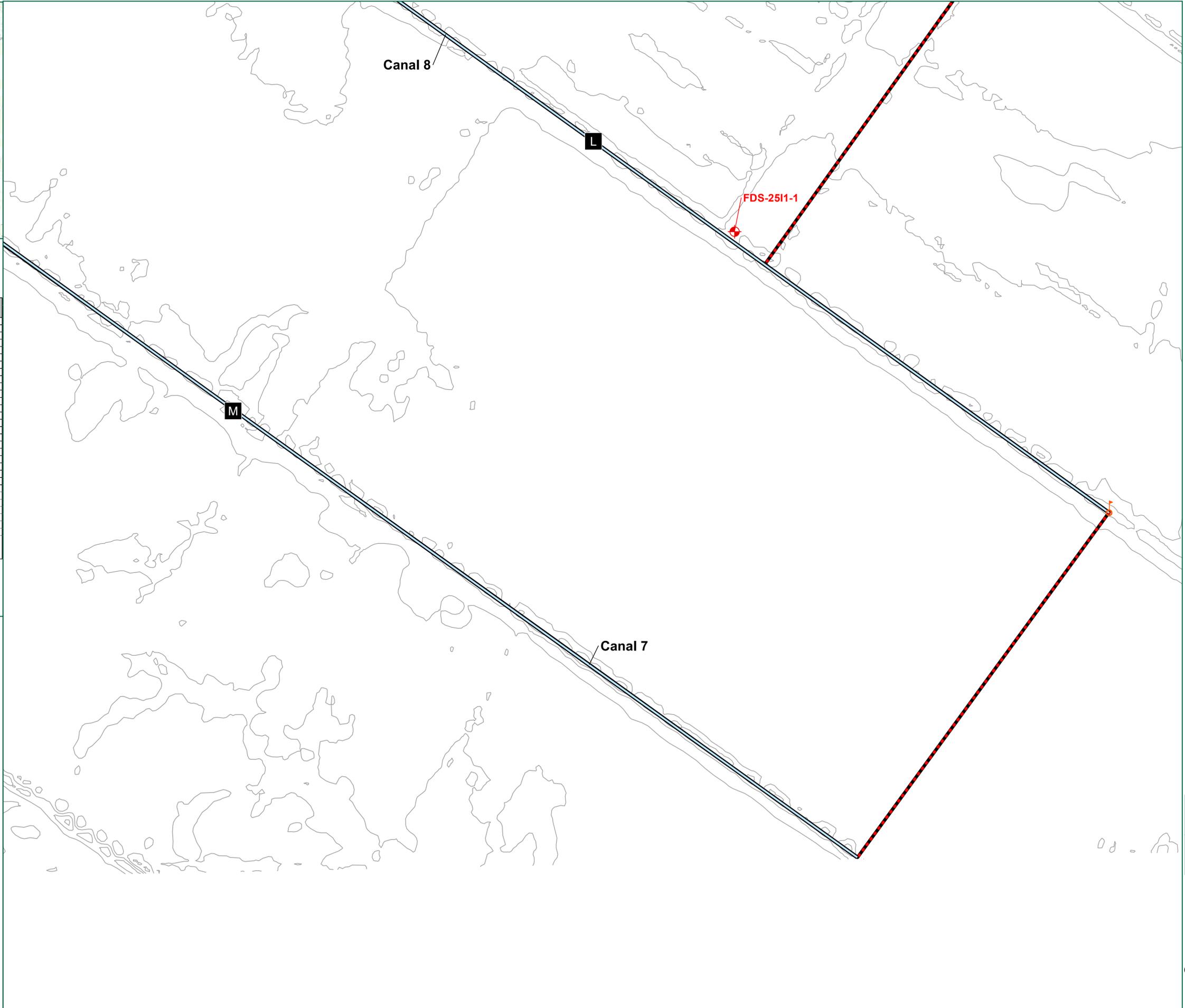


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 WASHINGTON COUNTY,
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DATE	05/02/2018
PROJECT NUMBER	37460.019
PROJECT NAME	MACADAMIA SOLAR
DESIGNED BY / DRAWN BY	L. WHEELER

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