The Connexial Center
Old Dairy Road
Laurens County, South Carolina
May 31, 2018

Terracon Project No. EN187136



Prepared for:

Thomas & Hutton Columbia, South Carolina

Prepared by:

Terracon Consultants, Inc. North Charleston, South Carolina

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1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) was retained by Thomas & Hutton to conduct a wetland delineation for the Connexial Center site, hereafter referred to as the site. The approximately 85.567-acre site is located adjacent to Old Dairy Road and Friendship Church Road in Laurens County, South Carolina. The approximate center of the review area is located at 34.645896° latitude, and -82.127634° longitude. The site is identified as Laurens County Parcel 188-00-00-003. The site location is depicted in Exhibit 1 of Appendix A.

The purpose of conducting the wetland delineation was to evaluate the site for the potential presence of Waters of the United States (WoUS) including wetlands on the project site, and if so, to identify the boundaries. A wetland delineation was conducted in general accordance with the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region. According to the United States Army Corps of Engineers (USACE) guidelines, wetlands generally have three essential characteristics: hydrophytic vegetation, hydric soils, and wetland hydrology. All three characteristics generally must be present for a location to be classified as a wetland.

2.0 SCOPE OF SERVICES

Terracon conducted the following scope of work:

- Desktop review of readily available resources to assist with identifying potential WoUS areas on the site or in the immediate vicinity of the site.
- Mobilization to the site to conduct the wetland delineation.
- Prepared a Jurisdiction Determination Request (JDR) package depicting WoUS and/or non-jurisdictional features identified during the site visit.
- Submitted the JDR package to USACE and coordinated with the USACE to verify wetland locations, as requested.
- Obtain a Jurisdictional Determination (JD) letter from USACE.

3.0 PRELIMINARY DESKTOP ANALYSIS

Prior to conducting the delineation, Terracon conducted a desktop review of readily available resources to assist with identifying potential WoUS areas on the site, or in the immediate vicinity of the site. These sources included the current United States Geological Survey (USGS) 7.5 Minute Topographic Map, United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Map, USGS National Hydrography Dataset (NHD) Map, United States Department of Agriculture (USDA) – Natural Resource Conservation Services (NRCS) Web Soil Survey Map, and aerial photographs. The site specific sources of data are described in some detail below.

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3.1 Topographic Map

The Fountain Inn Quadrangle Topographic Map of the site was reviewed to classify topography and to identify potential streams, wetlands, and water features on the site. The Fountain Inn quad topographic map depicts an unnamed stream entering the northern boundary and transecting the northeastern portion of the site (See Exhibit 2 of Appendix A).

3.2 Aerial Photographs

Terracon reviewed aerial imagery to identify potential wetlands or water bodies that may be present on the site. Aerial images from various sources including ESRI and Google Earth Pro were used for this review. Additionally, 1999 and 2006 infrared aerials obtained from the South Carolina Department of Natural Resources (SCDNR) were reviewed.

Inundation was visible on aerial imagery in the aerial photographs in various portions throughout the site. In accordance with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region* caution must be used in evaluating wetland areas based on inundation, because surface water may be present on a non-wetland site immediately after a heavy rain or during periods of unusually high precipitation, runoff, or river stages. Potential inundated areas are depicted on the northeastern portion of the site and a small area on the central portion of the site (see Exhibit 3 and 4 of Appendix A).

3.3 National Wetlands Inventory Map

The USFWS NWI map of the site was reviewed to identify potential wetland areas. The USFWS NWI maps are published by the USFWS and depict probable wetland areas based on stereoscopic analysis of high altitude aerial photographs.

It should be noted that the *Wetlands Mapping Standard*¹, established by the Federal Geographic Data Committee (FGDC), lists numerous factors affecting the accuracy of wetland mapping including:

- Scale of imagery
- Mapping scale or base map scale
- Quality of imagery
- Season of imagery (leaf-off or leaf-on)
- Type of imagery or emulsion of imagery
- Environmental conditions when imagery was captured
- Difficulty of identifying particular types of wetlands
- Availability and quality of ancillary or collateral data sources

Responsive Resourceful Reliable

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¹https://www.fgdc.gov/standards/projects/wetlands-mapping/2009-08%20FGDC%20Wetlands%20Mapping%20Standard_final.pdf

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The location of mapped waters and wetlands on the NWI map is often times approximate and not necessarily indicative of actual field conditions. The USFWS NWI map depicts a riverine wetland system that transects the northeast portion of the site (see Exhibit 5 of Appendix A).

3.4 National Hydrography Dataset

The NHD is used to portray surface water. The NHD represents the drainage network with features such as rivers, streams, canals, lakes, ponds, coastline, dams, and streamgages. The USGS NHD map depicts an unnamed intermittent stream transecting the northeastern portion of the site (see Exhibit 5 of Appendix A).

3.5 Soil Survey

Data from the USDA Soil Conservation Service, now known as the NRCS Web Soil Survey 3.2 was reviewed to identify soil types, including hydric soils for the site. As previously indicated, hydric soil is one of the three essential characteristics of a wetland according to the USACE. Soils designated as hydric indicate the soil series, or one of its components, containing characteristics that may be hydric.

The following soil types were mapped within the project area according to the Web Soil Survey Map:

Excerpt from the USDA-NRCS Web Soil Survey

Summary by Map Unit — Laurens County, South Carolina (SC059)				
Map unit symbol	Map unit name	Rating*	Acres in AOI	Percent of AOI
CIB	Cecil sandy loam, 2 to 6 percent slopes	0	62.8	72.9%
CIC2	Cecil sandy loam, 6 to 10 percent slopes, moderately eroded	0	13.9	16.2%
CmC2	Cecil sandy clay loam, 6 to 10 percent slopes, moderately eroded	0	1.5	1.7%
Cw	Chewacla and Worsham soils	45	3.7	4.3%
HwB	Hiwassee sandy loam, 2 to 6 percent slopes	0	0.2	0.2%
MhF	Madison and Pacolet soils, 15 to 40 percent slopes	0	4.0	4.6%

^{*} This rating indicates the percentage of map units that meets the criteria for hydric soils.

Based on the NRCS Web Soil Survey data approximately 4.3% of the site contains soil, which may be considered hydric. The soils with hydric ratings on the site include Chewacla and Worsham soils (Cw). The hydric soils mapped as Cw are depicted on the northeastern portion of the site (See Exhibit 6 of Appendix A).

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4.0 FIELD DELINEATION

Terracon personnel conducted a field delineation of the site on April 17, 2018 to identify, document and delineate WoUS areas within the site boundaries.

Characteristics of potential jurisdictional surface waters and wetland areas were assessed utilizing the criteria detailed in Sections 4.1 through 4.5 of this report. The evaluation methods generally followed the routine on-site determination method referenced in the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0), dated April 2012.

Wetlands have three essential characteristics: hydrophytic vegetation, hydric soils, and wetland hydrology. Soils, hydrology, and vegetation were evaluated within potential wetland areas to determine if wetland characteristics were present.

4.1 Hydric Soils Assessment

Subsurface soils were evaluated by digging soil pits within the potential wetland areas where necessary. Soil was evaluated at a depth of 20 inches below the ground surface, and was visually compared to *Munsell Soil Color Charts*, which aided in the evaluation of hydric soil characteristics based on the texture, coloration, and other hydric soil indicators. Typical hydric soil indicators for this region include: depleted matrix, histosol, thick dark surface, sandy gleyed matrix, sandy redox, loamy gleyed matrix, redox dark surface, and redox depressions. If these or other hydric soil indicators were observed, the observation location was considered to have hydric soil. Select soil profile data was recorded on the Wetland Determination Data Forms included in the JDR Package (Appendix B).

4.2 Wetland Hydrology Assessment

Visual indicators of wetland hydrology were evaluated. Examples of primary wetland hydrology indicators include, but are not limited to, surface water, high water table, soil saturation, water marks, sediment deposits, drift deposits, iron deposits, inundation visible on aerial imagery, sparsely vegetated concave surface, geomorphic position and water-stained leaves. If at least one primary or two secondary indicators were observed, the observation location was considered to have wetland hydrology. Hydrology indicators were recorded on the Wetland Determination Data Forms included in the JDR Package (Appendix B).

4.3 Plant Community Assessment

Potential wetland areas were visually observed to identify plant species and estimate the percent ground cover for each vegetation stratum. Five stratums of plant community types were evaluated separately, which included: trees, saplings, shrubs, herbs, and woody vines.

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Wetland indicator status based on the National Wetland Plant List², if established, was documented for each species identified. An indicator status reflects the probability that a particular plant species occurs in a wetland. Indicator statuses are presented below:

- Obligate Wetland (OBL) almost always occurs (estimated probability greater than 99%) in wetlands.
- Facultative Wetland (FACW) usually occurs in wetlands (estimated probability 67% 99%) but occasionally found in non-wetlands.
- **Facultative (FAC)** equally likely to occur in wetlands or non-wetlands (estimated probability 34% 66%).
- Facultative Upland (FACU) usually occurs in non-wetlands (estimated probability 67% 99%) but occasionally found in wetlands.
- Obligate Upland (UPL) rarely occurs in wetlands (estimated probability greater than 99%) in non-wetlands.

Dominate plant species were determined and documented for each stratum. The rapid test for hydrophytic vegetation was conducted. If the plant community passed the rapid test, no further investigation was performed and the plant community was considered hydric. If further analysis was warranted, the "50/20 rule" was applied by summing the number of dominant species with an indicator status of OBL, FACW, or FAC divided by the total number of dominant species across the strata. If more than 50% of the dominant species were assigned an indicator status of OBL, FACW, or FAC, hydrophytic vegetation was considered present. If the percentage of dominant species with an indicator status of OBL, FACW, and/or FAC was less than 50 percent, the prevalence index was calculated to conclude if hydrophytic vegetation was present or absent.

4.4 Classification of Wetlands

Following review of wetland criteria at the potential areas, a wetland determination was made on the site. Under normal circumstances, if one or more of the wetland criteria are not identified, the area is not considered to be a wetland. If all three wetland indicators were identified, the area is classified as wetland. Soil, hydrology, and vegetation assessment data from locations in each project site were recorded on a USACE Wetland Determination Data Form – Eastern Mountains and Piedmont Region. The recorded data forms for the subject site and the data point locations can be seen in Appendix B within the Jurisdictional Determination request Package.

Upon the determination of wetland limits, Wetlands and WoUS areas were marked in the field using highly visible colored flagging, and marked by utilizing a Trimble Geo7x GPS with a GNSS receiver (sub-meter accuracy) hand-held unit to map the location and boundaries of delineated

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² http://wetland-plants.usace.army.mil/nwpl_static/mapper/mapper.html

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wetlands. The GPS points were used to create an Accurate Depiction of Aquatic Resources (ADAR) Map using GIS software. This depiction is included as Exhibit A of Appendix A.

Additionally the GPS points were used in the survey plat, A Plat Of A Wetlands Survey Of A Tract Of Land Containing 85.567 Acres, Near The Town Of Gray Court, Laurens County, South Carolina, prepared for Laurens County Development Corporation, prepared by Thomas and Hutton Engineering Co., dated May 21, 2018. This depiction is included as Exhibit B of Appendix A.

4.5 Surface Water and Drainage Feature Observations

Terracon also made observations of site features to identify jurisdictional WoUS. If a surface water body or drainage feature was identified, observations regarding geomorphic, hydrologic and/or biological characteristics were recorded.

5.0 FIELD DELINEATION RESULTS

On April 17, 2018, Terracon performed a field delineation to identify potential wetlands and WoUS on the site as discussed in Section 4 above. Wetland Determination Data Forms included in the JDR package and ground photographs in Appendix B provide an indication of the physical characteristics observed during the site visit. Descriptions of the evaluated areas are listed in the following sections. Exhibit A and Exhibit B in Appendix A shows locations of the wetlands. Wetlands and WoUS areas were marked in the field using highly visible colored flagging and each flag was marked using a Trimble Geo7x GPS with GNSS receiver. The GPS data was saved to an electronic file for future reference and preparation of maps depicting the locations of wetlands and WoUS using ArcMap® Geographic Information System (GIS) software. Refer to the JDR package in Appendix B. The following subsections summarize the wetlands, WoUS, and non-jurisdictional features on the site.

5.1 Jurisdictional Wetlands

Jurisdictional wetlands were not observed on the site.

5.2 Other Jurisdictional Waters of the US

Field observations indicated that two jurisdictional linear features within the site exhibited criteria sufficient to be classified as a Relatively Permanent Water (RPW) Tributary. The tributaries channels are moderate to high gradient and the substrate is poorly sorted and contains high amounts of fine sediment and silt.

A summary of the jurisdictional tributaries are provided in the tables below:

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WoUS	Jurisdictional Tributary 1	
Approximate Length Onsite	~895 linear feet	
Name of Water Body	Unnamed tributary to Reedy Creek	
Location	Northeast portion of the site	
WUS Type	Relatively permanent water	
Flow Characteristics	Perennial	
Ordinary High Water Mark (OHWM)	Yes	
Defined Bed & Bank	Yes	
Average Channel Width Across OHWM	5 to 10 feet	
Average Channel Width Across Bank Top	10 to 15 feet	
Average Channel Width Across Water	5 to 8 feet	
Surface or Dry Bottom	3 to o leet	
Water Depth	<2 feet	
Stream Flow Direction	North	
Average Bank Height	Left Bank: 3 feet	
Average bank Height	Right Bank:3 feet	
% Slope On Banks	Left Bank: 45 to 85 percent	
76 Slope Off Bariks	Right Bank: 45 to 85 percent	
Bank Substrate	80% Soil, 20% Organic	
Bed Substrate	80% Soil, 20% Rock/Debris	

WoUS	Jurisdictional Tributary 2
Approximate Length Onsite	~418 linear feet
Name of Water Body	Unnamed tributary to Reedy Creek
Location	East central portion of the site
WUS Type	Relatively permanent water
Flow Characteristics	Perennial
Ordinary High Water Mark (OHWM)	Yes
Defined Bed & Bank	Yes
Average Channel Width Across OHWM	5 to 10 feet
Average Channel Width Across Bank Top	5 to 15 feet
Average Channel Width Across Water	2 to 5 feet
Surface or Dry Bottom	2 to 3 feet
Water Depth	<1 feet
Stream Flow Direction	North
Average Bank Height	Left Bank: 3 feet
Average bank Height	Right Bank:3 feet
% Slope On Banks	Left Bank: 45 to 85 percent
70 Slope On Banks	Right Bank: 45 to 85 percent
Bank Substrate	80% Soil, 20% Organic
Bed Substrate	80% Soil, 20% Rock/Debris

5.3 Other Non-Jurisdictional Features

Non-jurisdictional features were not observed on the site.

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6.0 REGULATORY DETERMINATIONS AND CONCLUSIONS

The JDR Package was prepared following the field delineation, which is included in Appendix B. Terracon submitted the JDR package to USACE Greenville, South Carolina Regulatory Field Office via mail on May 25, 2018.

Terracon is currently coordinating with the USACE to schedule a field verification visit if requested by the USACE. The USACE will make a final determination on the field delineation depicted in Appendix A, Exhibit A and Exhibit B and issue a Jurisdictional Determination Letter following the site visit as applicable.

7.0 SUMMARY AND CONCLUSIONS

Terracon performed a wetland delineation of the site on April 17, 2018. Based on the field observations and the wetland delineation the site contains the following wetlands and WoUS:

Approximate Total Jurisdictional Tributaries: 1,313 Linear Feet

Section 404 of the Clean Water Act requires that anyone interested in depositing dredged or fill material into "waters of the United States, including wetlands," must receive authorization for such activities. The USACE has been assigned responsibility for administering the Section 404 permitting process. The final determination of whether an area is a wetland and whether the activity requires a permit, must be made by a USACE Regulatory Office. It is Terracon's opinion that the aquatic features depicted on Exhibit B in Appendix A accurately depicts the jurisdictional WoUS within the project limits.

8.0 CLOSING

Terracon appreciates the opportunity to provide you with natural resources services. If you have any questions regarding the information contained in this report, please contact us.

Sincerely,

Terracon Consultants, Inc.

J. Ted Melchers IV Environmental Scientist

Andy Ruocco, PWS
Environmental Department Manager



Exhibit 1: Site Location Map
Exhibit 2: USGS Topographic Map

Exhibit 3: 1999 Infrared Aerial
Exhibit 4: 2006 Infrared Aerial

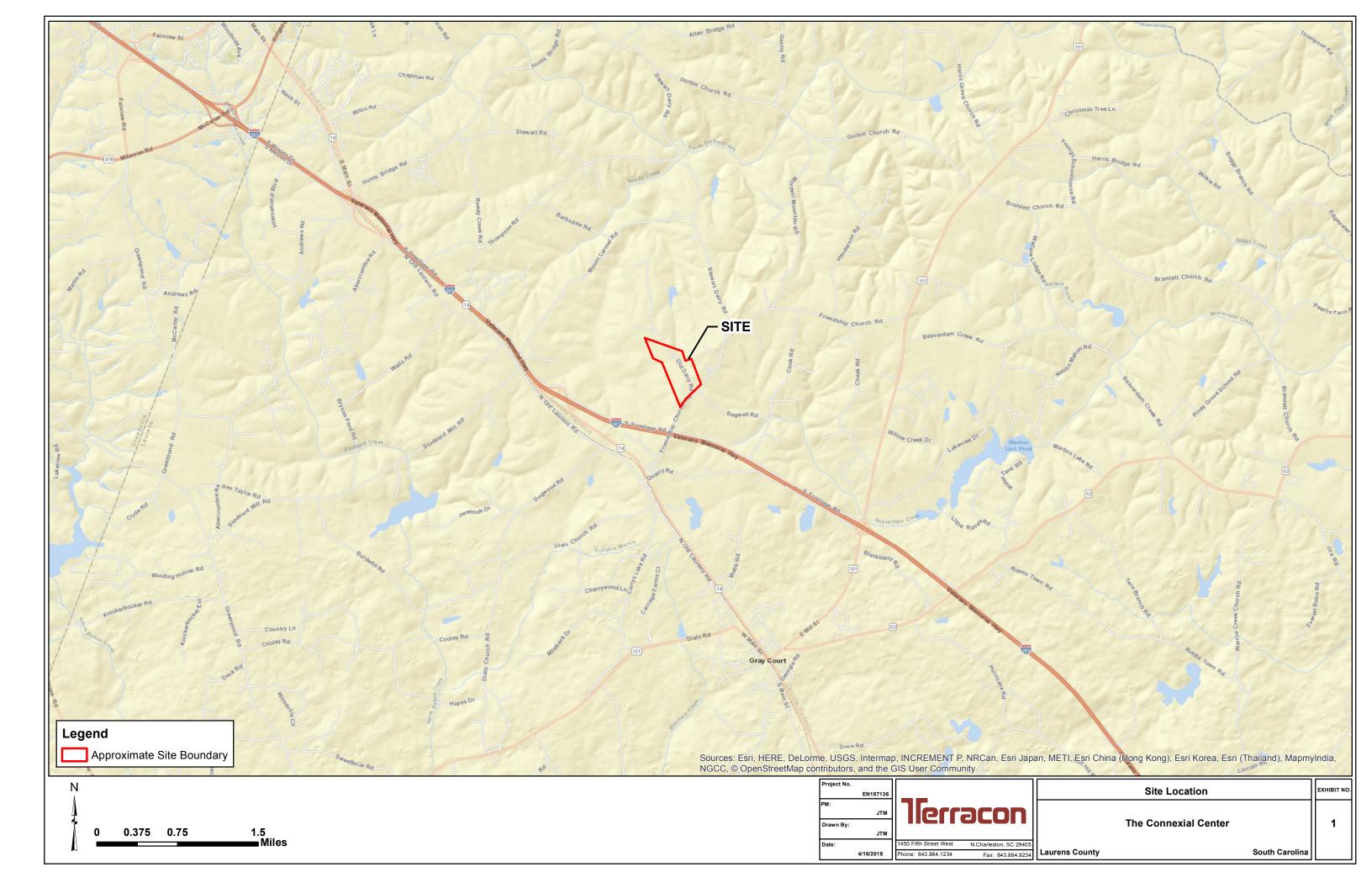
Exhibit 5: Infrared Aerial / USGS NHD / USFWS NWI Map

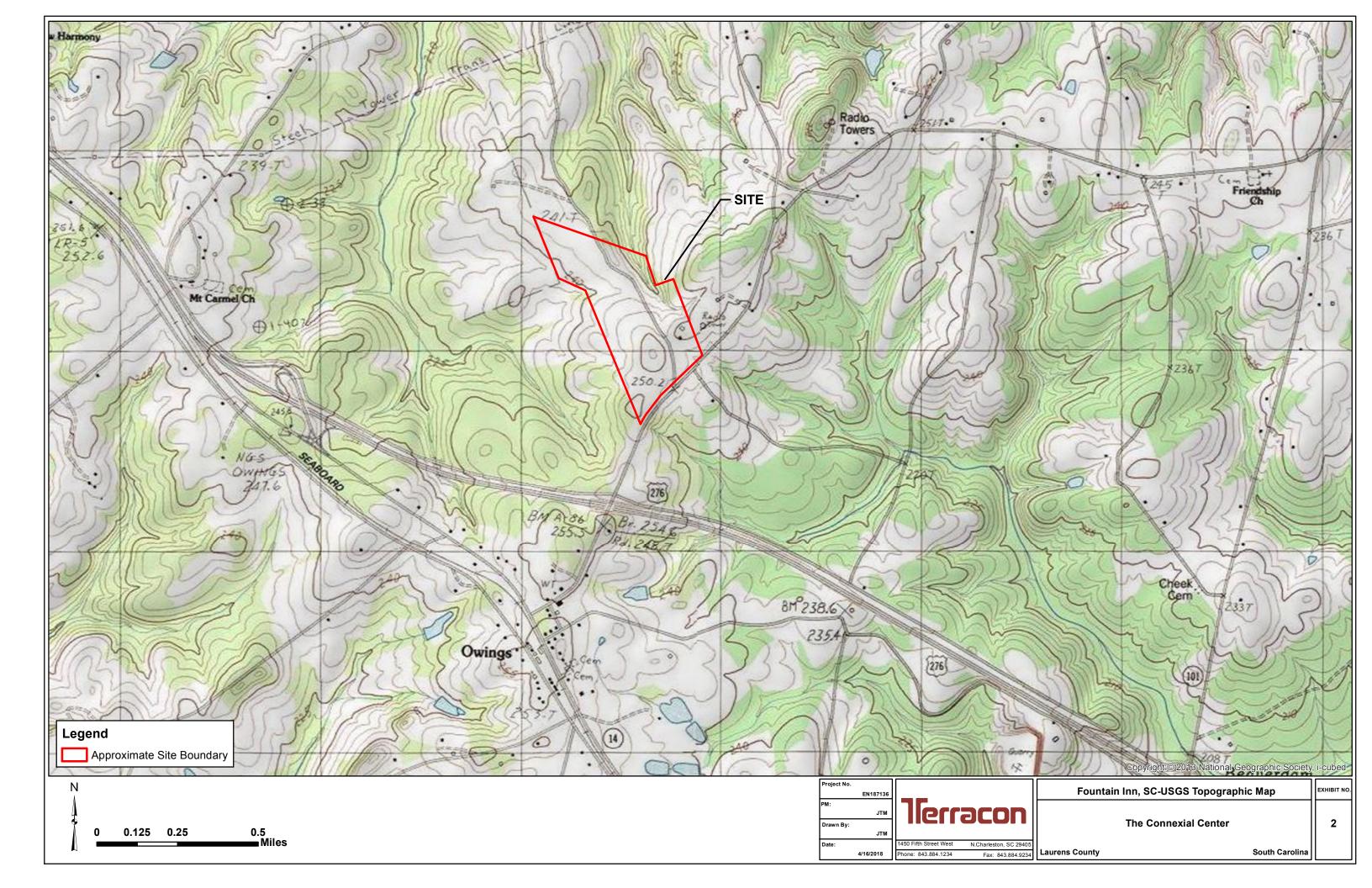
Exhibit 6: USDA NRCS Web Soil Survey Map

Exhibit 7: 2017 Aerial View

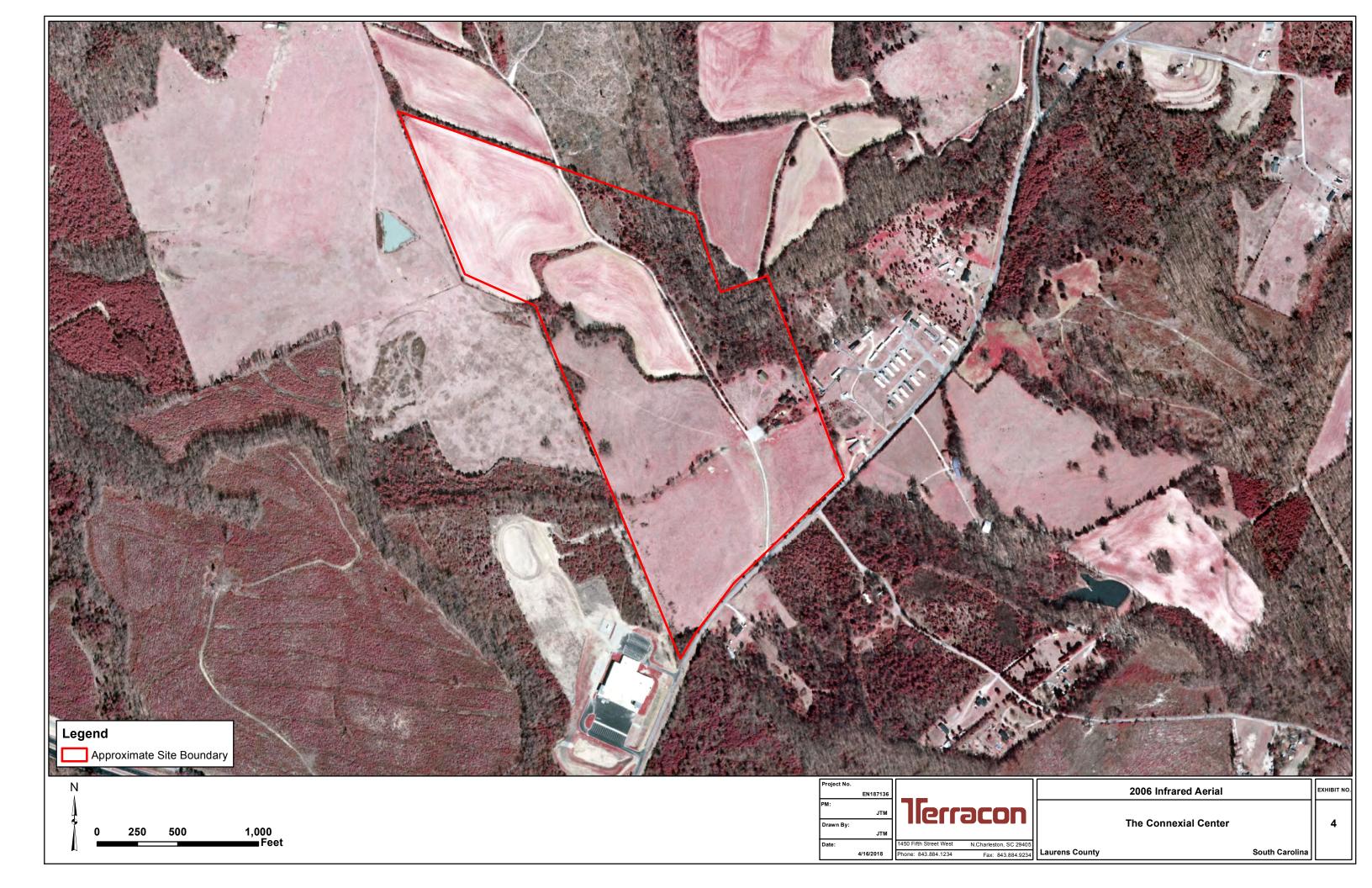
Exhibit A: Approximate Depiction of Aquatic Resources Map

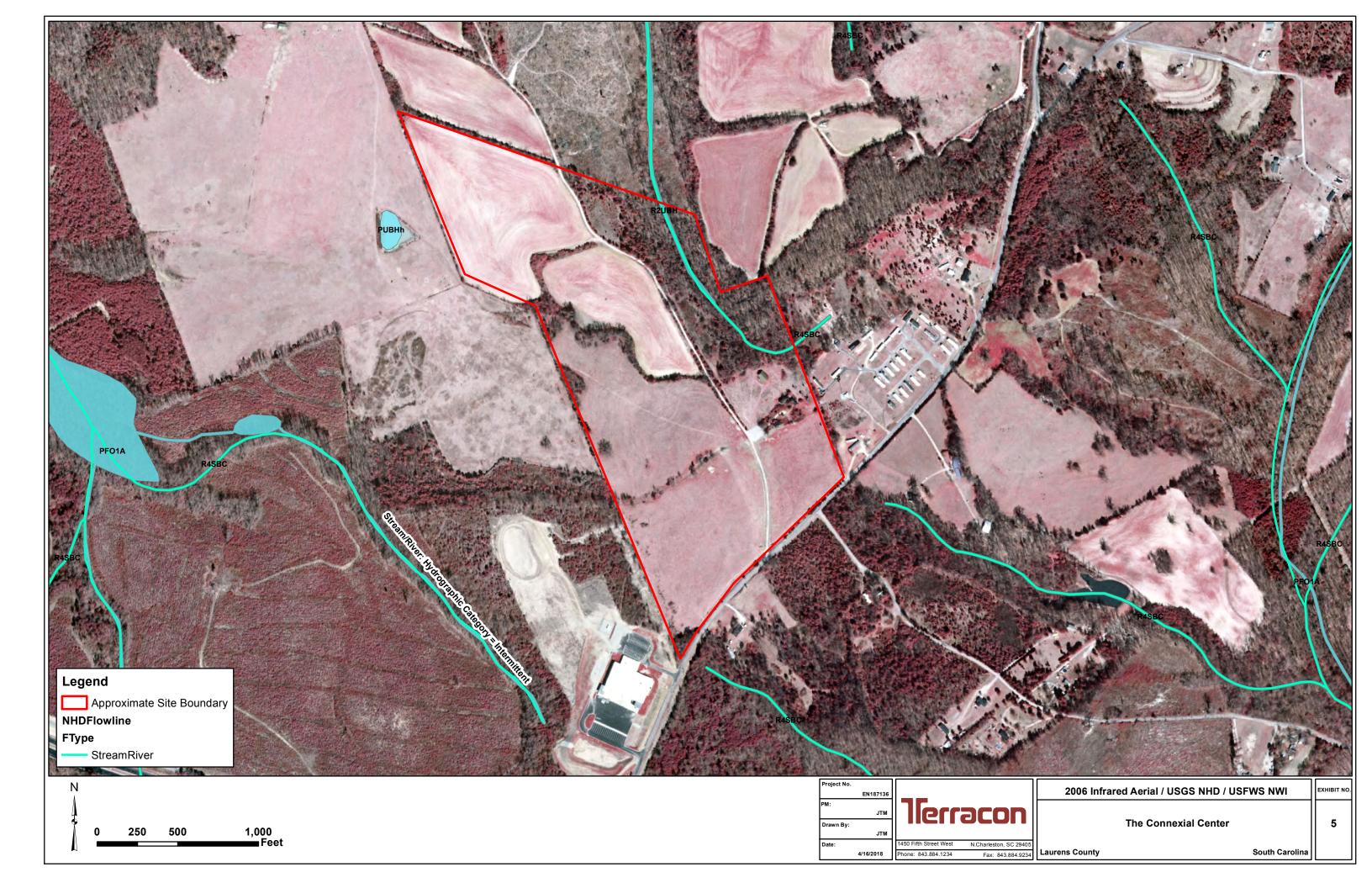
Exhibit B: A Plat Of A Wetlands Survey Of A Tract Of Land Containing 85.567 Acres

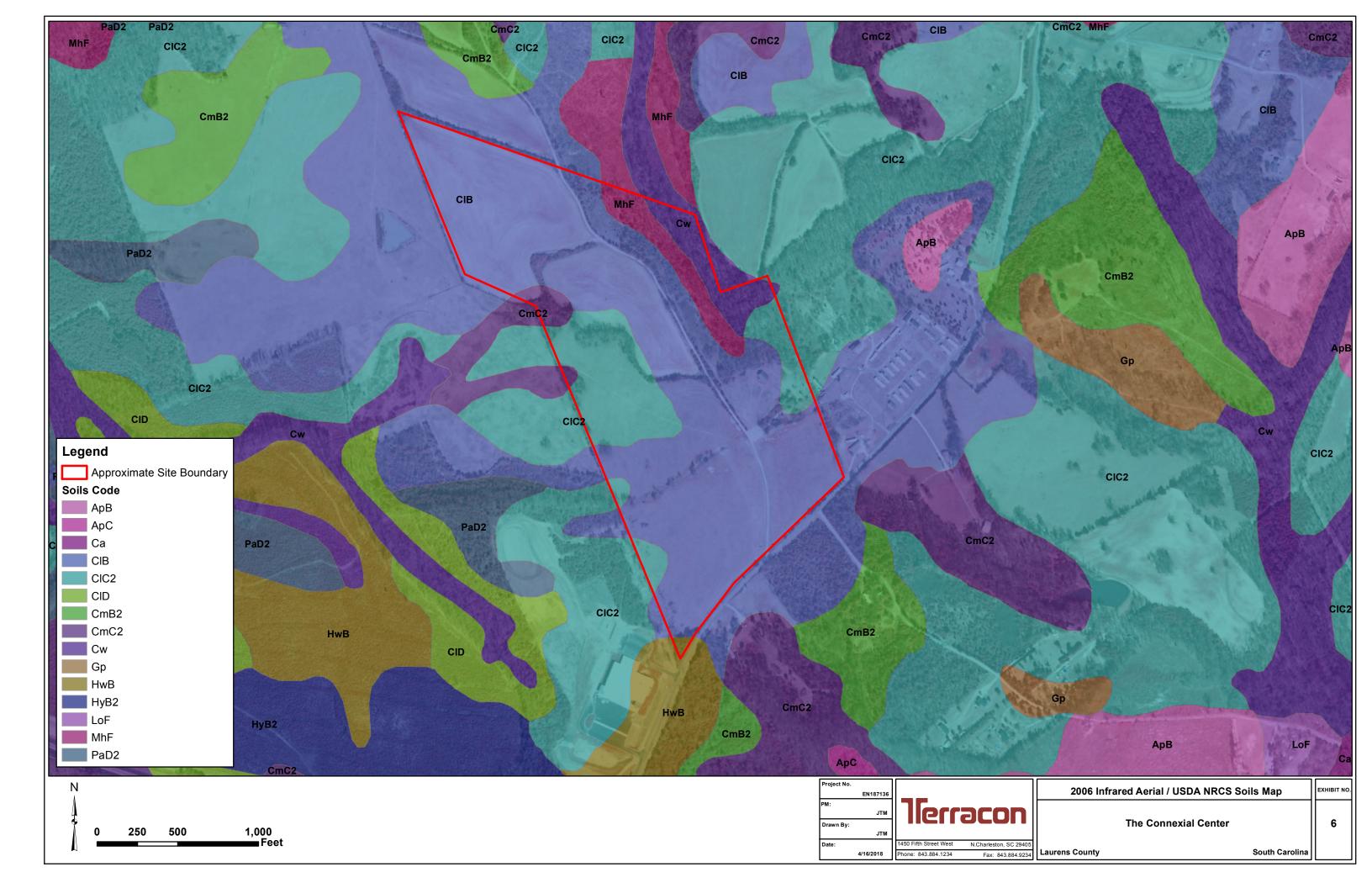


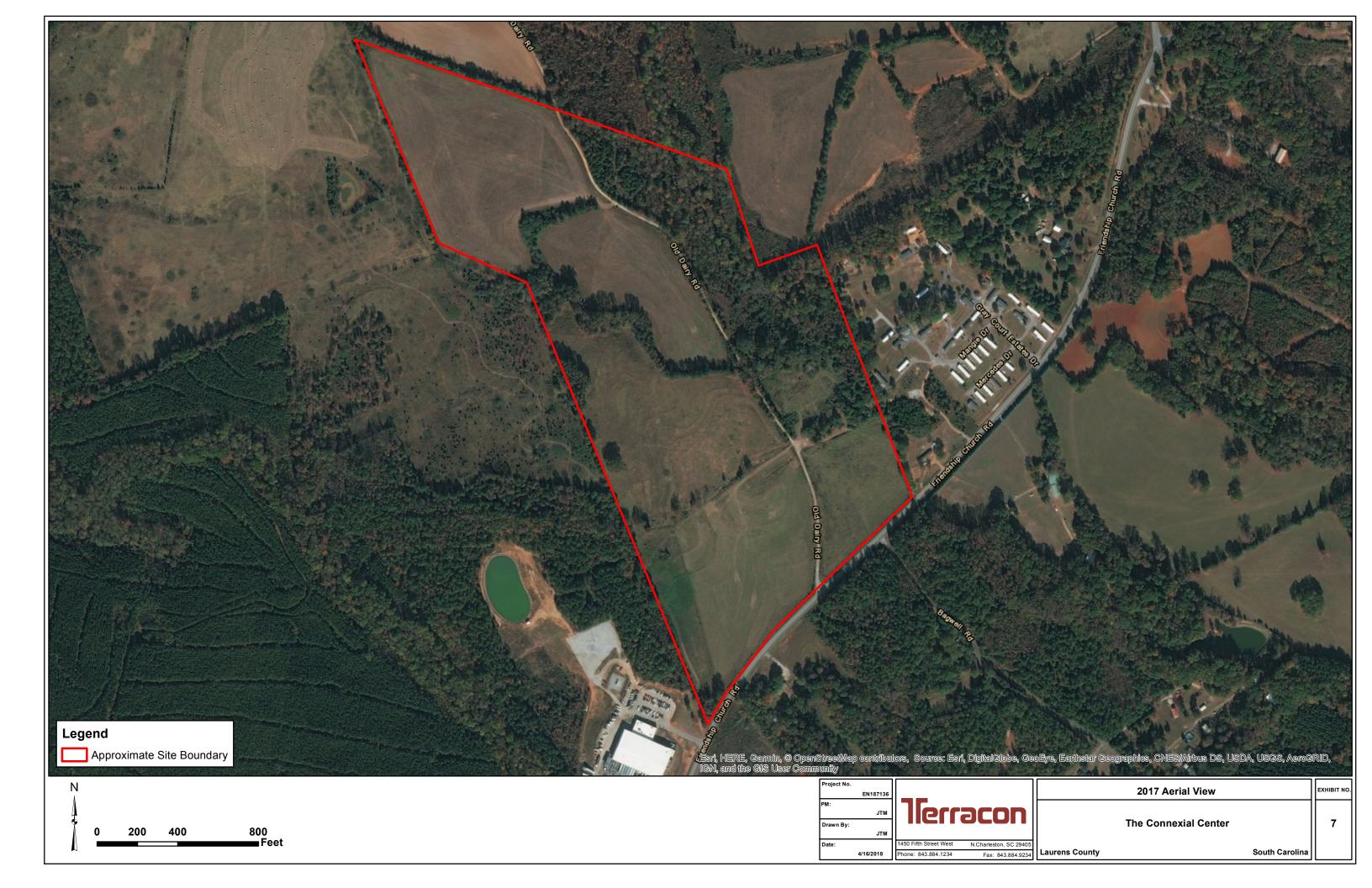


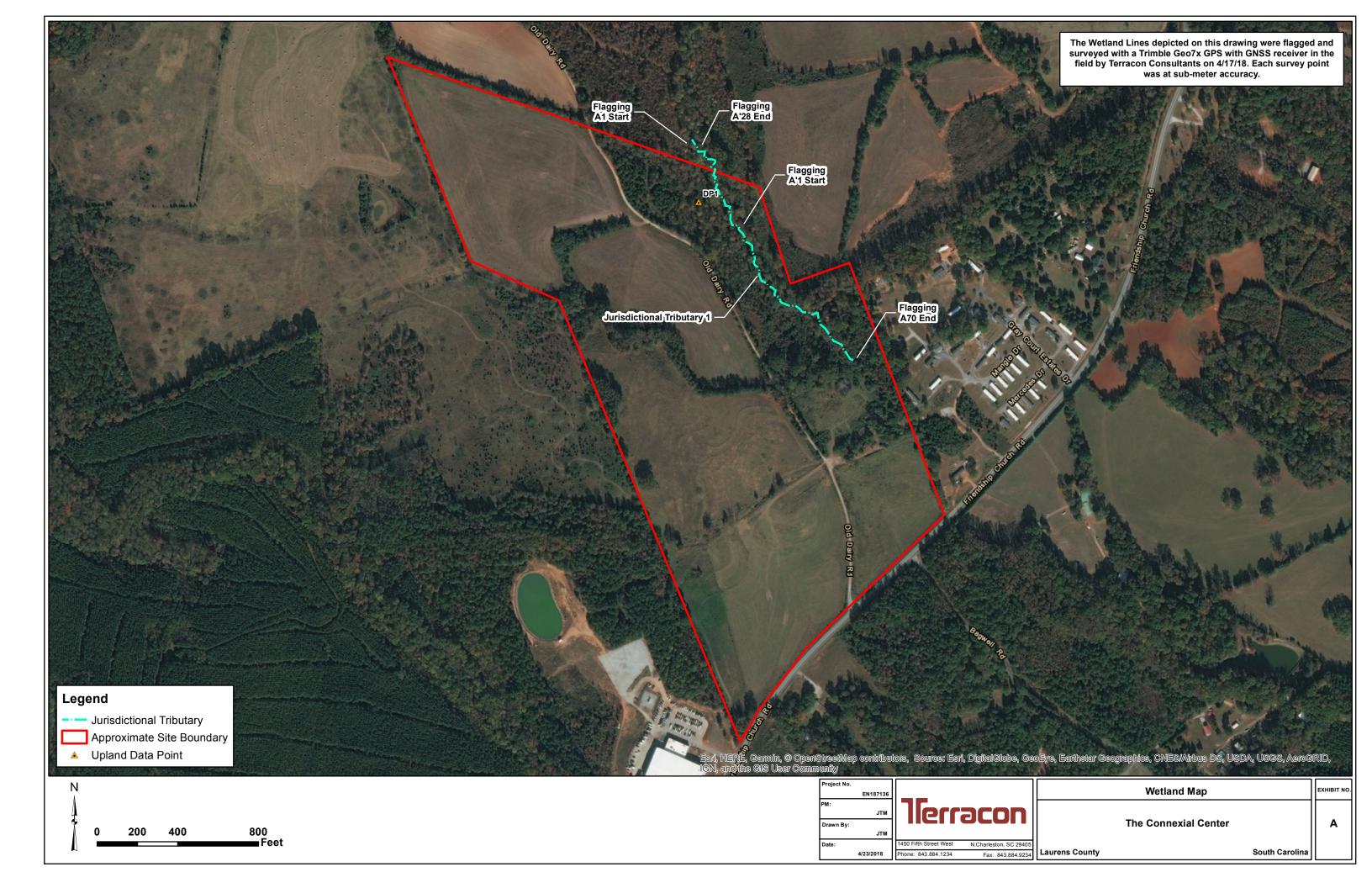


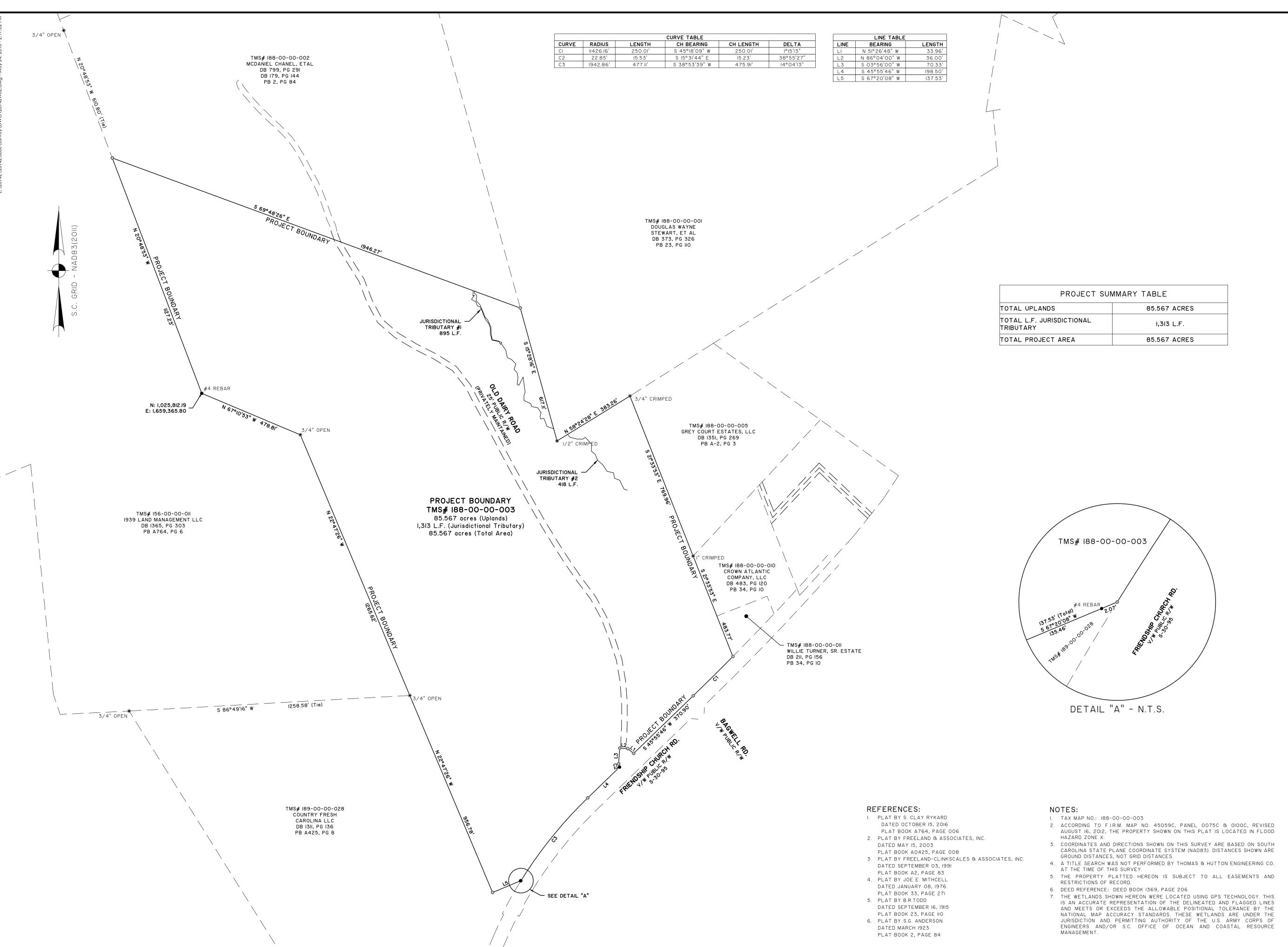


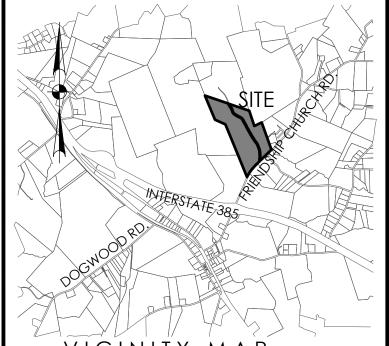












VICINITY MAP

his document is not an original unless bearing the original signature (in blue ink) and embossed seal of the surveyor. ALTERATIONS T THIS DOCUMENT ARE NOT PERMITTED.

LEGEND

- IRON PIPE FOUND
- IRON PIPE SET
- IRON REBAR FOUND





I HEREBY STATE THAT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARDS OF PRACTICE MANUAL FOR SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN.

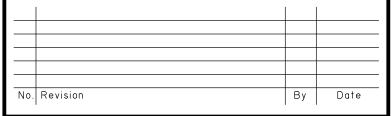
F. ELLIOTTE QUINN III SOUTH CAROLINA PROFESSIONAL LAND SURVEYOR LICENSE NO. 10292

A PLAT OF A WETLANDS SURVEY OF

A TRACT OF LAND CONTAINING 85.567 Acres

NEAR THE TOWN OF GRAY COURT LAURENS COUNTY, SOUTH CAROINA

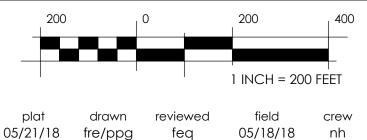
prepared for LAURENS COUNTY DEVELOPMENT CORPORATION



THOMAS & HUTTON Engineering | Surveying | Planning | GIS | Consulting

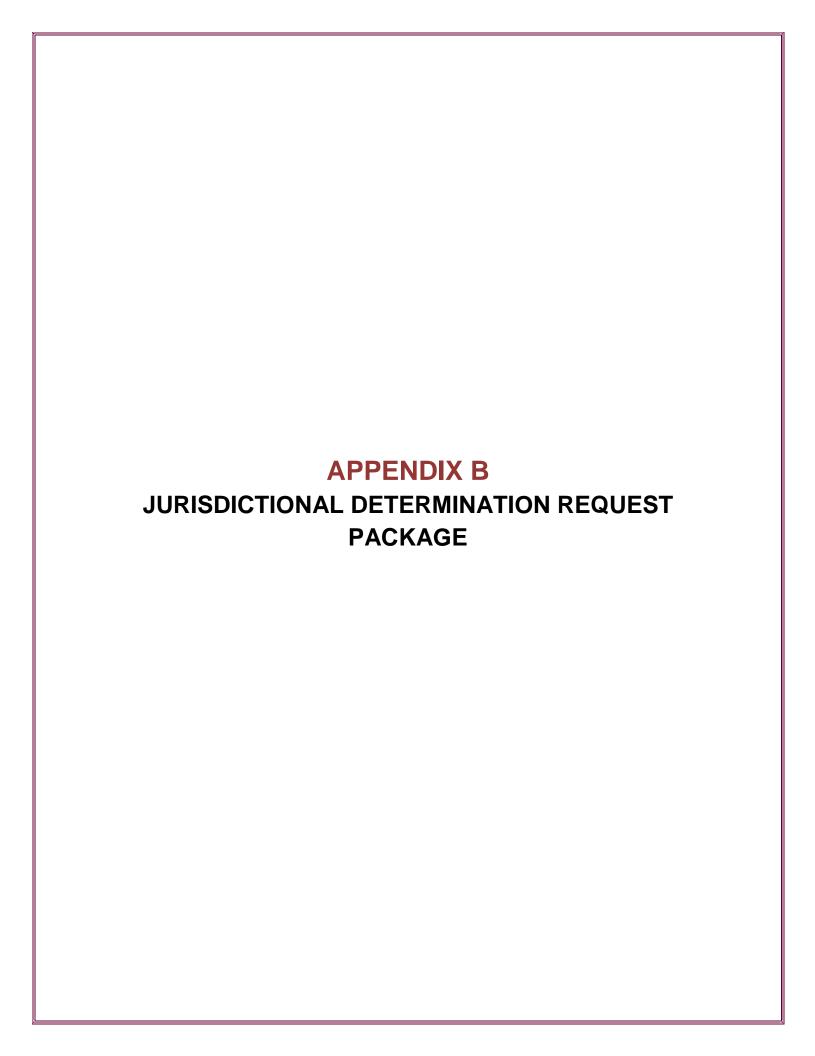
682 Johnnie Dodds Blvd., Suite 100 PO Box 1522 Mt. Pleasant, SC 29465-1522 p 843.849.0200 f 843.849.0203

www.thomasandhutton.com



05/21/18 fre/ppg

SHEET 1 OF 1 job 26942.0004



May 25, 2018



Adrianna Krzywicka
US Army Corps of Engineers Regulatory Division
150 Executive Center Drive, Suite 205
Mailbox 83
Greenville, South Carolina 29615

Re: Request for Approved Jurisdictional Determination The Connexial Center Old Dairy Road Gray Court, Laurens County, South Carolina Terracon Project EN187136

Dear Ms. Krzywicka:

On behalf of our client, Thomas and Hutton, Terracon Consultants, Inc. is requesting a wetland location review of the 85.567 acre site located adjacent to Old Dairy Road and Friendship Church Road in Gray Court, Laurens County, South Carolina. The approximate center of the review area is located at 34.645896°, -82.127634°. Please review the following attached information to determine the accuracy of our wetland delineation:

- Jurisdictional Determination Request
- Accurate Depiction of Aquatic Resources Map
- Approximate Depiction of Aquatic Resources Map
- Site Location Map
- USGS Topographic Map

- Infrared Aerial Photographs
- USFWS NWI Map
- USDA NRCS Soils Map
- Photo Log Legend
- Photographs
- USACE Data Forms

Please refer to A Plat Of A Wetlands Survey Of A Tract Of Land Containing 85.567 Acres, Near The Town Of Gray Court, Laurens County, South Carolina, prepared for Laurens County Development Corporation, prepared by Thomas and Hutton Engineering Co., dated May 21, 2018 for accurate depiction of aquatic resources map.

If you have any questions regarding the attached information, please contact me at 843-884-1234, 843-277-8387 or ted.melchers@terracon.com.

Respectfully submitted,

Terracon Consultants Inc.,

J. Ted Melchers IV Environmental Scientist Andy Ruocco, PWS Environmental Manager



Terracon Consultants, Inc. 1450 Fifth Street West North Charleston, SC 29405
P [843] 884 1234 F [843] 884 9234 terracon.com

U.S. Army Corps of Engineers – Charleston District - Regulatory Division REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD) / DELINEATION

(For Jurisdictional Status and Identifying Wetlands and Other Aquatic Resources)

I. PROPERTY AND AGENT INFORMATION

A. Site Details/Location:	
Site Name: The Connexial Center	Date: 5/1/2018
City/Township/Parish: Gray Court	County: Laurens
Latitude/Longitude: 34.645896°/ -82.127634°	Acreage: 85.567
Tax Map Sequence (TMS) #(s): 188-00-00-003 and 188-00-00-00	03
Property Address(es): Intersection of Old Dairy Road and Friendsl	
X Please attach a survey/plat map and vicinity map identify	ing location and review area for the JD/delineation.
An accurate depiction of the review area must be provided (su	
be used if the site includes the entire tax map parcel.	
B. Requestor of Jurisdictional Determination/Delineation (if there are multiple property owners, please attach
additional pages)	
Name: Deborah G. High IN	
Company Name (if applicable):	
Address: 502 Shadaanad G., Si	MRSONVILLE, SC 29681
Phone: 864-430-1774 Em	ail: Debalphiro Dal.com
Check one: Larrently own this property	
I plan to purchase this property	
Other, please explain	
C. Agent/Environmental Consultant Acting on Behalf of the Consultant/Agent Name: Ted Melchers Company Name: Terracon Consultants	e Requestor (if applicable):
Address: 1450 Fifth Street West	Phone: 843-884-1234
Email: ted.melchers@terracon.com	1 110116
II. REASON FOR REQUEST (check all that apply) I intend to construct/develop a project or perform activities	on this site which would be designed to avoid all
aquatic resources.	
I intend to construct/develop a project or perform activities jurisdictional aquatic resources under Corps authority.	on this site which would be designed to avoid all
X I intend to construct/develop a project or perform activities Corps, and the Jurisdictional Determination would be used resources and as an initial step in a future permitting proce	to avoid and minimize impacts to jurisdictional aquatic
I intend to construct/develop a project or perform activities	on this site which may require authorization from the
Corps; this request is accompanied by my permit application the permitting process.	
I intend to construct/develop a project or perform activities ebb and flow of the tide.	in a navigable water of the U.S. which is subject to the
A Corps jurisdictional determination is required in order to	obtain my local/state authorization.
I intend to contest jurisdiction over a particular aquatic reso jurisdiction does/does not exist over the aquatic resource I believe that the site may be comprised entirely of dry land Other:	on the parcel.

*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

<u>Disclosure</u>: Submission of requested information is voluntary; however, if information is not provided, the request for an jurisdictional determination cannot be evaluated nor can a jurisdictional determination be issued.

III. TYPE OF REQUEST:				
X Approved¹ Jurisdictional Determ	X Approved¹ Jurisdictional Determination (AJD) Only			
Preliminary ² Jurisdictional Determination	Preliminary ² Jurisdictional Determination (PJD) Only			
	Approved Jurisdictional Determination (AJD) with submittal of a Pre-Construction Notification or Department of the Army permit application			
Preliminary Jurisdictional Determ Department of the Army permit app	nination (PJD) with submittal of a Pre- lication	Construction Notification or		
	ther Aquatic Resources Only Condu Construction Notification or Departmer ed)			
	the wetlands and/or other aquatic reso struction Notification or Departmen			
I request that the Corps delineate property with an AJD or PJD	the wetlands and/or other aquatic reso	urces that may be present on my		
"No Permit Required" (NPR) Lette	er as I believe my proposed activity is r	not regulated ³		
Unclear as to which jurisdictional d information to inform my decision	etermination I would like to request and	d require additional		
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(authorization) from the Corps; this letter can only	"No Permit Required" (NPR) Letter- A NPR letter may be provided by the Corps to notify the requestor that an activity will not require a permit (authorization) from the Corps; this letter can only be used if the proposed activity is not a regulated activity, regardless of where the activity may occur. A NPR letter cannot be used to indicate the presence or absence of wetlands and/or other aquatic resources, nor can it be used to determine their jurisdictional status.			
IV. LEGAL RIGHT OF ENTRY				
By signing below, I am indicating that I he entity with such authority, to and do here access the property(ies) subject to this refilling shallow holes) and issuing a juris I possess the requisite property rights to	eby grant U.S. Army Corps of Engineers equest for the purposes of conducting of edictional determination. I acknowledge	s personnel right of entry to legally on-site investigations (e.g., digging and e that my signature is an affirmation that		
5025 harboard Ct., SIMPSOND LLEGG 188-00-00-003 and 188-00-00-003				
Mailing Address / TMS #(s)				
Debalphin@aol.com 864-430-1774				
Email Address D. Alph	Debora h	G. Alohip		
*Signature:	Printed Name a			
Charleston Office: US Army Corps of Engineers Regulatory Division 69A Hagood Avenue Charleston, SC 29403 (ph) 843-329-8044	Columbia Office: US Army Corps of Engineers Regulatory Office 1835 Assembly Street, Room 865 B-1 Columbia, SC 29201 (ph) 803-253-3444	Conway Office: US Army Corps of Engineers Regulatory Office 1949 Industrial Park Road, Room 140 Conway, SC 29526 (ph) 843-365-4239		

*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

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JURISDICTIONAL DETERMINATION AND DELINEATION GUIDE

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- Wetland Determination Data Forms (current version from appropriate Regional Supplement)
- Depiction of all aquatic resources and pertinent features that are present (Wetlands, Tributaries, Lakes, Borrow Pits, Ponds, Rivers, Drainage Features, Ditches) preferably on an aerial photo using no-fill polygons with the following information marked: Wetland Determination Data Form point locations with labels and photo locations and directions.

2. Recommended Elements for Depictions of All Sites

- Title Block with project name, applicant, county, state, date.
- Solid bold line depicting project area boundary with label. The project area boundary should be accurate and may
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- North arrow
- Clearly marked boundaries of all wetlands and/or other aquatic resources and other pertinent features that are
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 required, surveyed or GPS coordinates of the boundaries may be provided. Labels of wetlands and/or other
 aquatic resources. Refer to the below tables for the standardized labels that should be used for AJDs, PJDs and/or
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Table 1: Labels for PJDs and Delineations Only

Label	Description	
Wetland X (tidal, non-tidal)	All wetlands, including tidal wetlands.	
Non-wetlands waters X (tidal, non-tidal)	All non-wetland aquatic resources (ponds, linear features, tributaries, tidal open water,	
Upland	Uplands should be labeled	
Non-aquatic resource X (Optional) *	Features determined by the Corps to be non-aquatic resources.	

Table 2: Labels for AJDs

Jurisdictional Feature Label	Description
TNW X	Traditionally Navigable Water, tidal wetland, or and/or OCRM Critical Area Wetland
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Jurisdictional Wetland X	Meeting 3-parameters per 1987 Delineation Manual
Other Jurisdictional WOUS X	Other Waters of the United States such as ponds, lakes, ditches, impoundments, etc.
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Upland	Uplands should be labeled when wetlands or other waters, regardless of jurisdictional status, are present. When no wetlands or other waters are present, the "Upland" label is not necessary.

^{*}Optional - Non-Jurisdictional Linear Features or ditches for AJDs and non-aquatic resources for PJDs are not required to be included on the depiction but should be shown and provided on a supplemental sketch.

U.S. Army Corps of Engineers – Charleston District - Regulatory Division REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD) / DELINEATION

(For Jurisdictional Status and Identifying Wetlands and Other Aquatic Resources)

I. PROPERTY AND AGENT INFORMATION

A. Site Details/Location:	
Site Name: The Connexial Center	Date: 5/1/2018
City/Township/Parish: Gray Court	County: Laurens
Latitude/Longitude: 34.645896°/ -82.127634°	Acreage: 85.567
Tax Map Sequence (TMS) #(s): 188-00-00-003 and 188-00-00-003	
Property Address(es): Intersection of Old Dairy Road and Friendshi	
X Please attach a survey/plat map and vicinity map identifying	
An accurate depiction of the review area must be provided (surv	yey, tax map, or GPS coordinates). Tax maps may only
be used if the site includes the entire tax map parcel.	
B. Requestor of Jurisdictional Determination/Delineation (if additional pages)	there are multiple property owners, please attach
Name: Judy C. Brooks	
Company Name (if applicable):	T = 2 20 4 111
Address: 109 Inn Circle, Fountain	Inn, 5,0, 29644
Phone: 864-862-3661 Ema	il: doz Brooks@attonet
Check one: currently own this property I plan to purchase this property	
Other, please explain	
Otrier, piease explain	
C. Agent/Environmental Consultant Acting on Behalf of the	Requestor (if applicable):
Consultant/Agent Name: Ted Melchers	
Company Name: Terracon Consultants	
Address: 1450 Fifth Street West	Phone: 843-884-1234
Email: ted.melchers@terracon.com	
II. REASON FOR REQUEST (check all that apply)	
I intend to construct/develop a project or perform activities of aquatic resources.	on this site which would be designed to avoid all
I intend to construct/develop a project or perform activities	on this site which would be designed to avoid all
jurisdictional aquatic resources under Corps authority.	on this site which would be assigned to avoid all
X I intend to construct/develop a project or perform activities of Corps, and the Jurisdictional Determination would be used to resources and as an initial step in a future permitting proces	to avoid and minimize impacts to jurisdictional aquatic
I intend to construct/develop a project or perform activities of	on this site which may require authorization from the
Corps; this request is accompanied by my permit application	
the permitting process.	
I intend to construct/develop a project or perform activities i ebb and flow of the tide.	n a navigable water of the U.S. which is subject to the
A Corps jurisdictional determination is required in order to o	•
I intend to contest jurisdiction over a particular aquatic reso jurisdiction does/does not exist over the aquatic resource of I believe that the site may be comprised entirely of dry land Other:	n the parcel.

*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website. Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an jurisdictional determination cannot be evaluated nor can a jurisdictional determination be issued.

III. TYPE OF REQUEST:		
X_Approved¹ Jurisdictional Determi	ination (AJD) Only	
Preliminary ² Jurisdictional Determ	nination (PJD) Only	
Approved Jurisdictional Determing Department of the Army permit app	nation (AJD) with submittal of a Pre-Clication	onstruction Notification or
Preliminary Jurisdictional Determ Department of the Army permit app	nination (PJD) with submittal of a Pre- lication	Construction Notification or
	ther Aquatic Resources Only Condu Construction Notification or Departmer ed)	
	the wetlands and/or other aquatic reso struction Notification or Departmen	
I request that the Corps delineate property with an AJD or PJD	the wetlands and/or other aquatic reso	urces that may be present on my
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³ "No Permit Required" (NPR) Letter- A NPR letter (authorization) from the Corps; this letter can only loccur, A NPR letter cannot be used to indicate the their jurisdictional status.	be used if the proposed activity is not a regulated	d activity, regardless of where the activity may
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109 Inn Circle Founta		nd 188-00-00-003
Mailing Address	Property Addres	ss / TMS #(s)
dozbrooks@att.net	864-86	2-3661
Email Address	Daytime Phone	Number
Quely C. Broke	- Judy C	6. Brooks 5/4/2018
*Signature: Charleston Office:	Printed Name a	Ind Date
US Army Corps of Engineers Regulatory Division	US Army Corps of Engineers Regulatory Office	US Army Corps of Engineers Regulatory Office
69A Hagood Avenue Charleston, SC 29403	1835 Assembly Street, Room 865 B-1 Columbia, SC 29201	1949 Industrial Park Road, Room 140 Conway, SC 29526
(ph) 843-329-8044	(ph) 803-253-3444	(ph) 843-365-4239

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1. Recommended Site Information

- Location Maps: large-scale and small-scale maps, including streets, intersections, cities and an <u>accurate depiction</u>
 of the site boundary shown.
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Label	Description	
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Upland	Uplands should be labeled	
Non-aquatic resource X (Optional) *	Features determined by the Corps to be non-aquatic resources.	

Table 2: Labels for AJDs

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U.S. Army Corps of Engineers – Charleston District - Regulatory Division REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD) / DELINEATION

(For Jurisdictional Status and Identifying Wetlands and Other Aquatic Resources)

I. PROPERTY AND AGENT INFORMATION

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103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332. <u>Principal Purpose</u>: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

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III. TYPE OF REQUEST:
X_Approved¹ Jurisdictional Determination (AJD) Only
Preliminary ² Jurisdictional Determination (PJD) Only
Approved Jurisdictional Determination (AJD) with submittal of a Pre-Construction Notification or Department of the Army permit application
Preliminary Jurisdictional Determination (PJD) with submittal of a Pre-Construction Notification or Department of the Army permit application
Delineation of Wetlands and/or Other Aquatic Resources Only Conducted By Agent/Environmental Consultant with submittal of a Pre-Construction Notification or Department of the Army permit application (No jurisdictional determination requested)
I request that the Corps delineate the wetlands and/or other aquatic resources that may be present on my property with the attached Pre-Construction Notification or Department of the Army permit application
I request that the Corps delineate the wetlands and/or other aquatic resources that may be present on my property with an AJD or PJD
"No Permit Required" (NPR) Letter as I believe my proposed activity is not regulated ³
Unclear as to which jurisdictional determination I would like to request and require additional information to inform my decision
1Approved — An AJD is defined in Corps regulations at 33 CFR 331.2. As explained in further detail in RGL 16-01, an AJD is used to indicate that this office has identified the presence or absence of wetlands and/or other aquatic resources on a site, including their accurate location(s) and boundaries, as well as their jurisdictional status. AJDs are valid for 5 years.
² Preliminary — A PJD is defined in Corps regulations at 33 CFR 331.2. As explained in further detail in RGL 16-01, a PJD is used to indicate that this office has identified the approximate location(s) and boundaries of wetlands and/or other aquatic resources on a site that are presumed to be subject to regulatory jurisdiction of the Corps of Engineers. Unlike an AJD, a PJD does not represent a definitive, official determination that there are, or that there are not, jurisdictional aquatic resources on a site, and does not have an expiration date.
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By signing below, I am indicating that I have the authority, or am acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant U.S. Army Corps of Engineers personnel right of entry to legally access the property(ies) subject to this request for the purposes of conducting on-site investigations (e.g., digging and refilling shallow holes) and issuing a jurisdictional determination. I acknowledge that my signature is an affirmation that I possess the requisite property rights to request a jurisdictional determination on the properties subject to this request. 30.3 Woodordge Way Simpson I 188-00-00-003 and 188-00-00-003 Mailing Address TMS #(s)
Email Address Daytime Phone Number
Elizabeth Ann Dunter Elizabeth Ann Gunter, 5-3-20

Charleston Office:
US Army Corps of Engineers
Regulatory Division
69A Hagood Avenue
Charleston, SC 29403
(ph) 843-329-8044

Printed Name and Date

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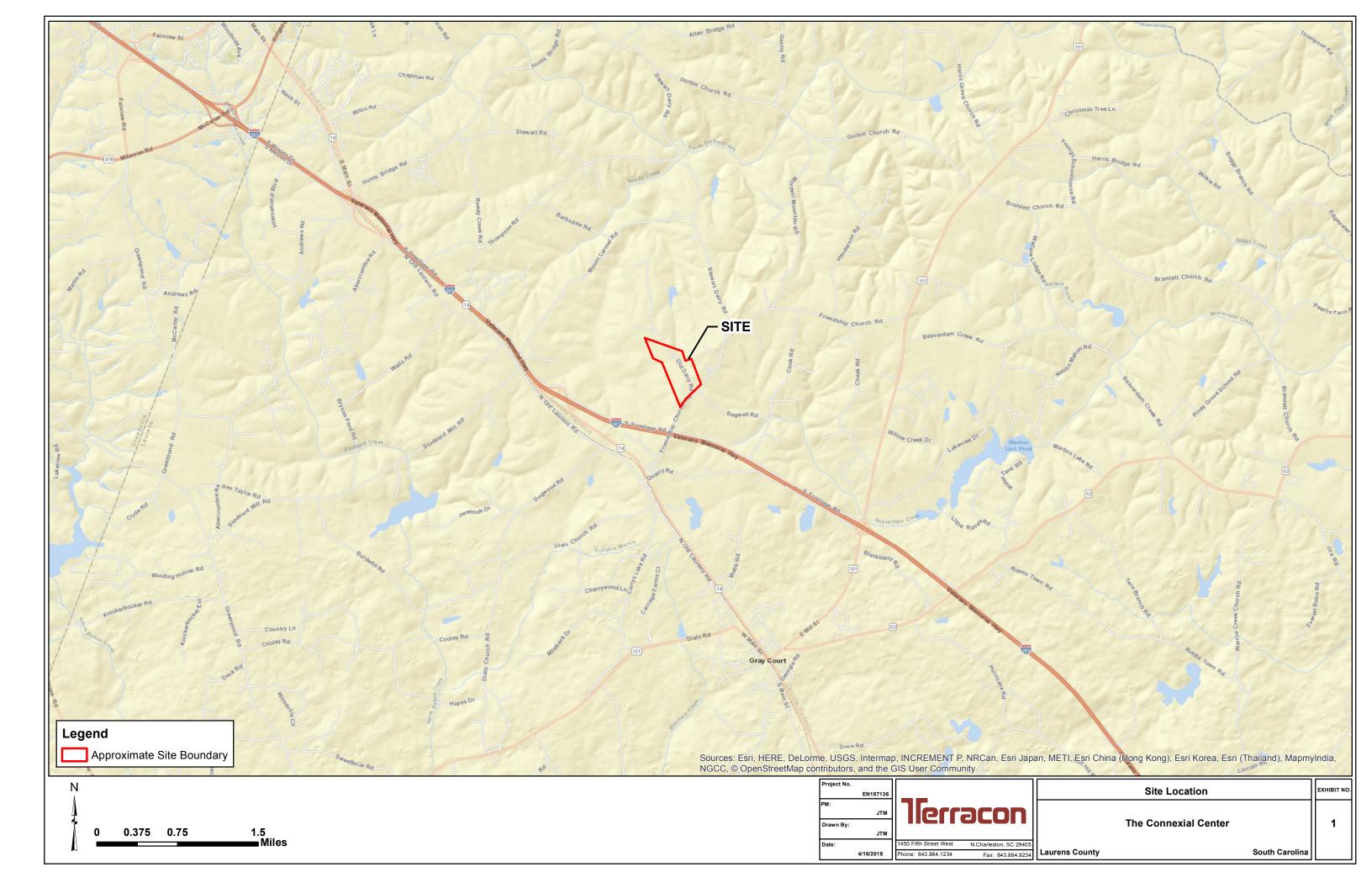
Table 1: Labels for PJDs and Delineations Only

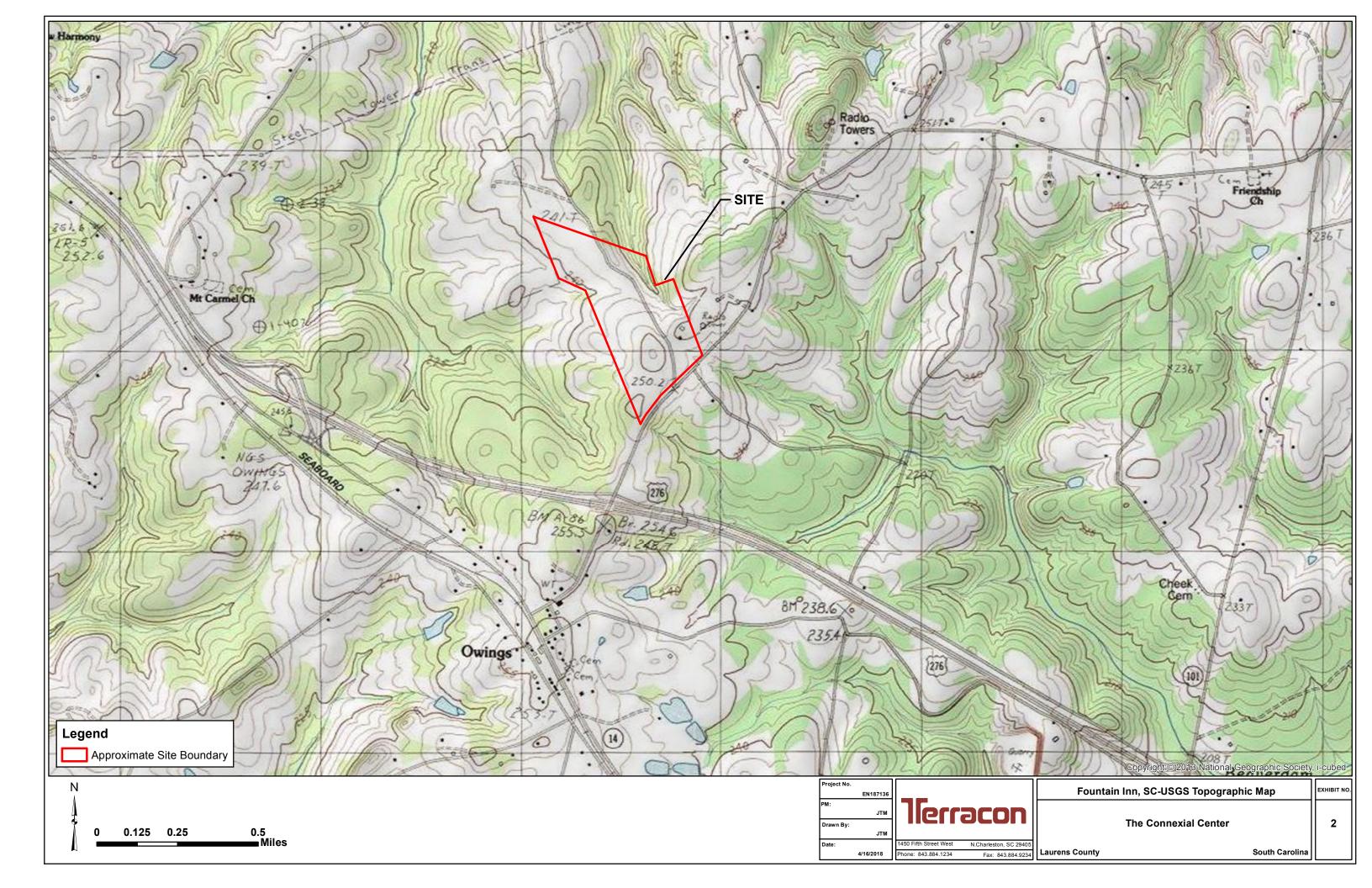
Label	Description			
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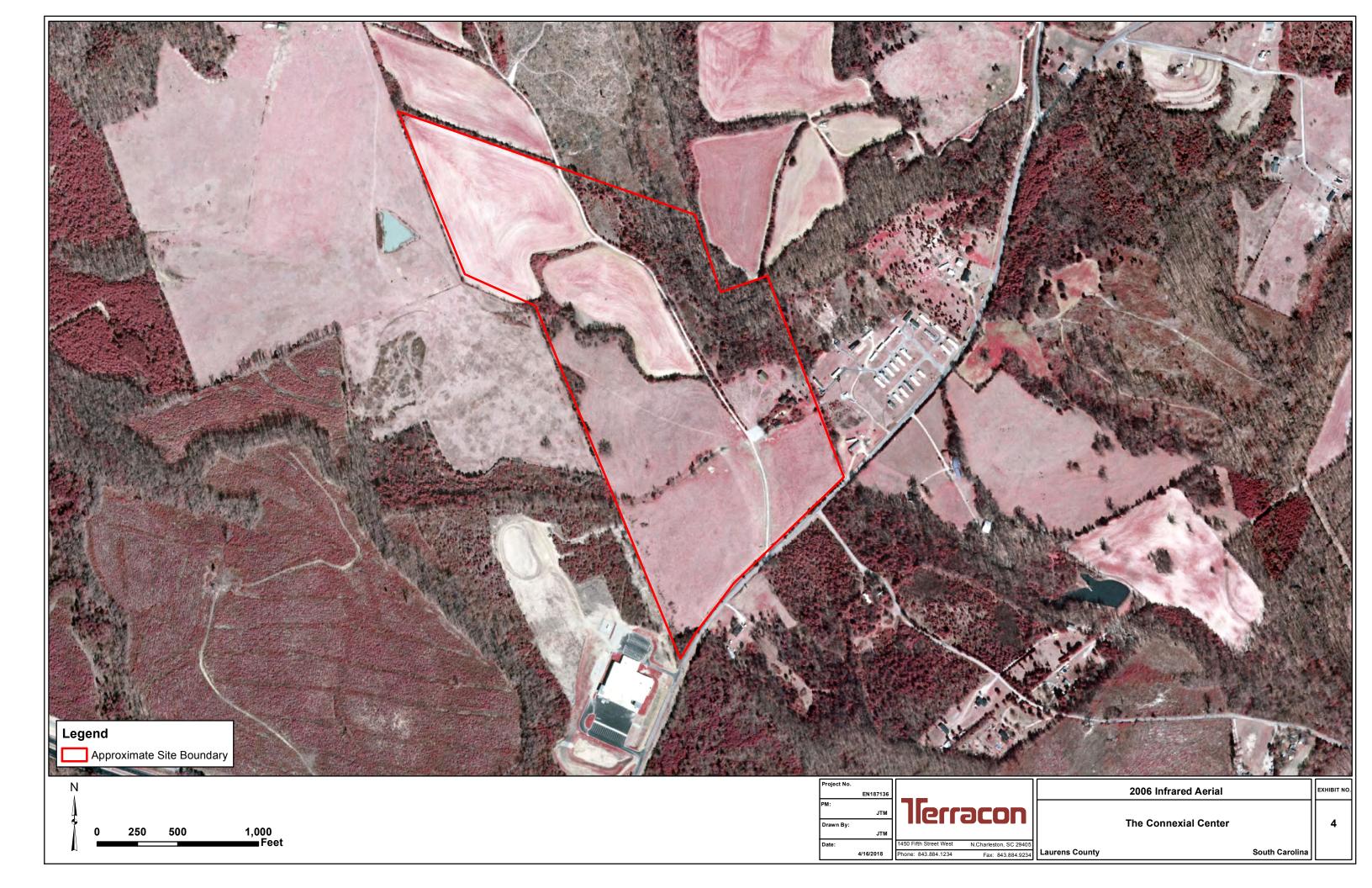
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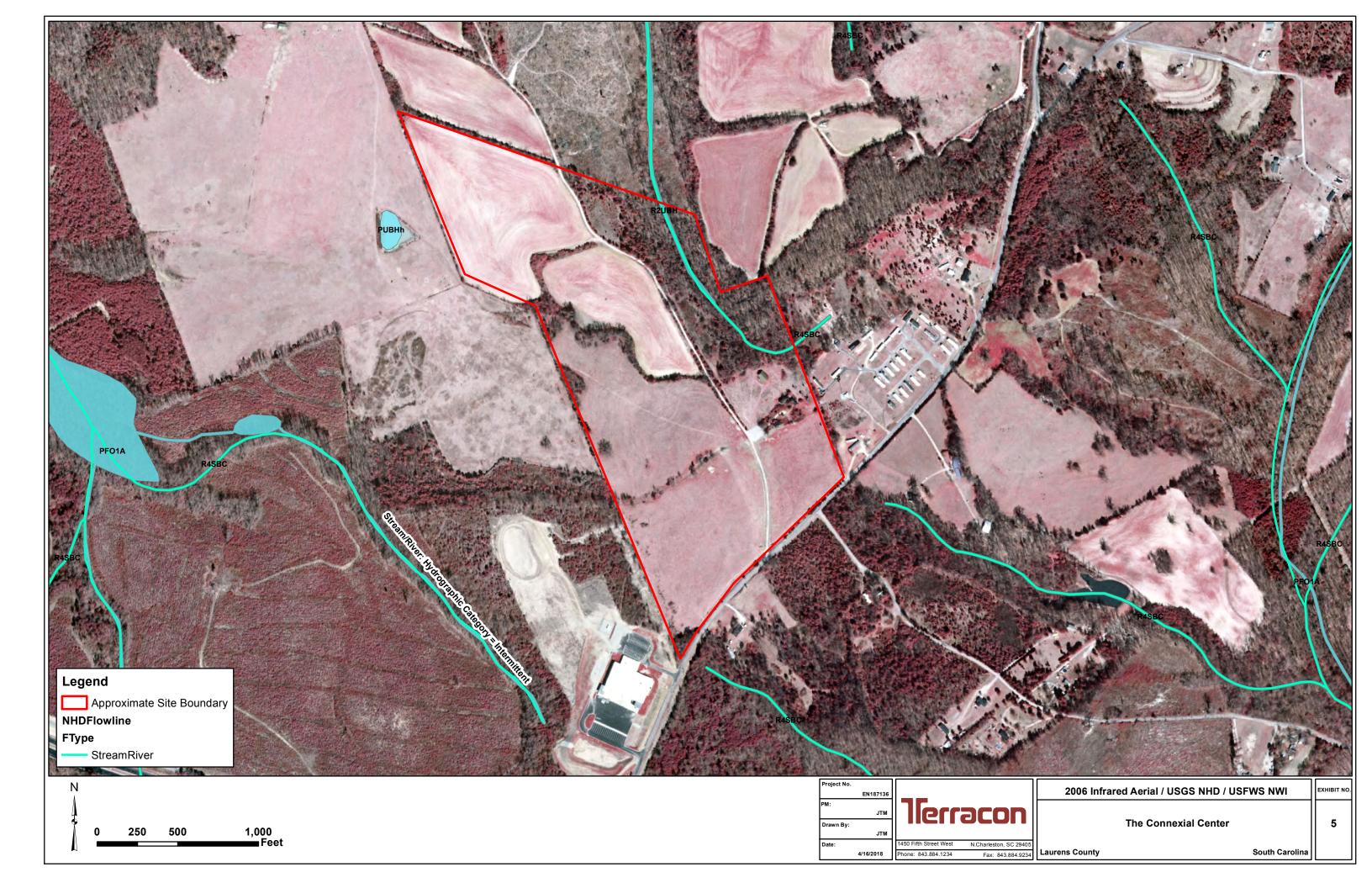
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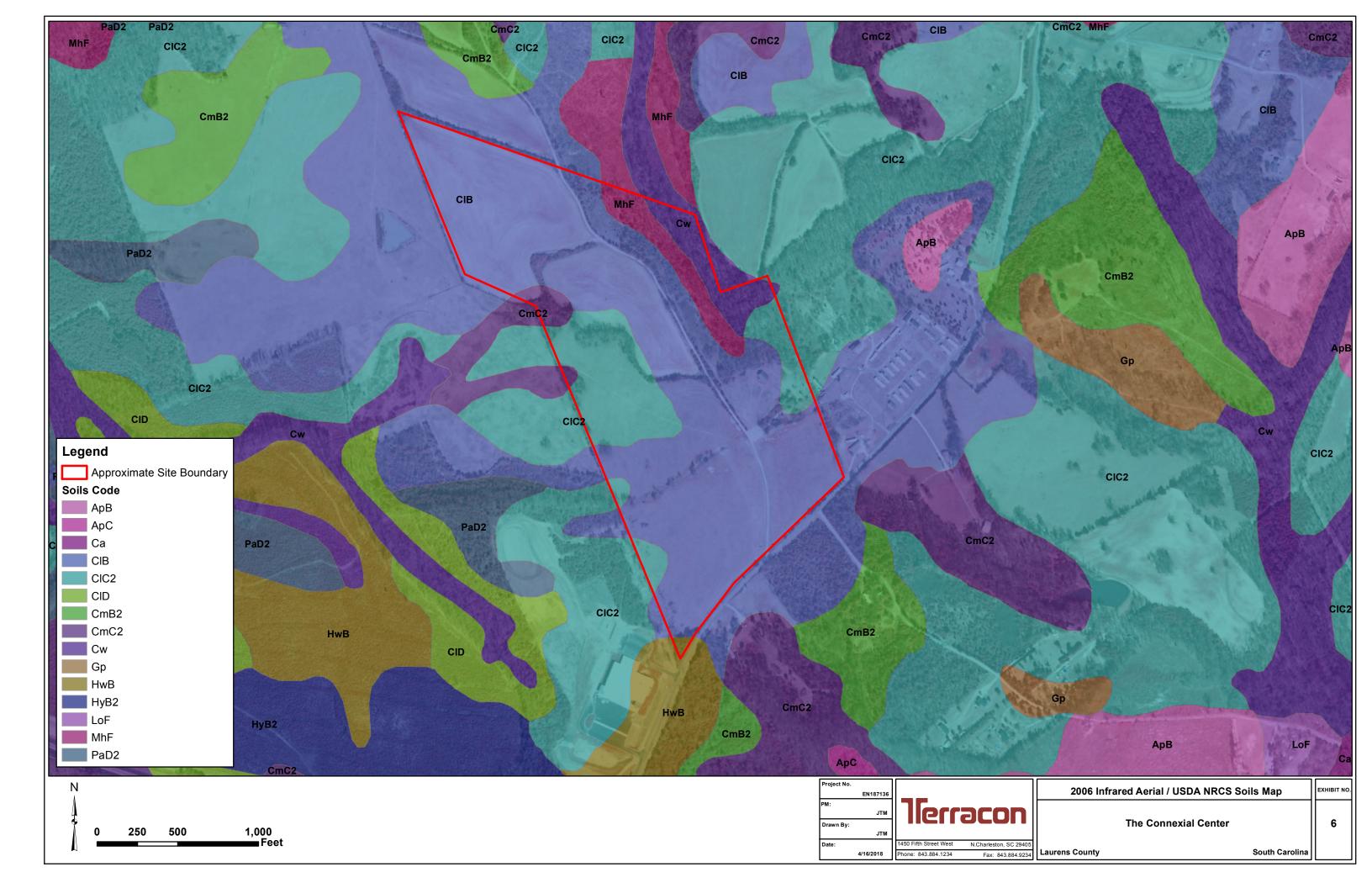












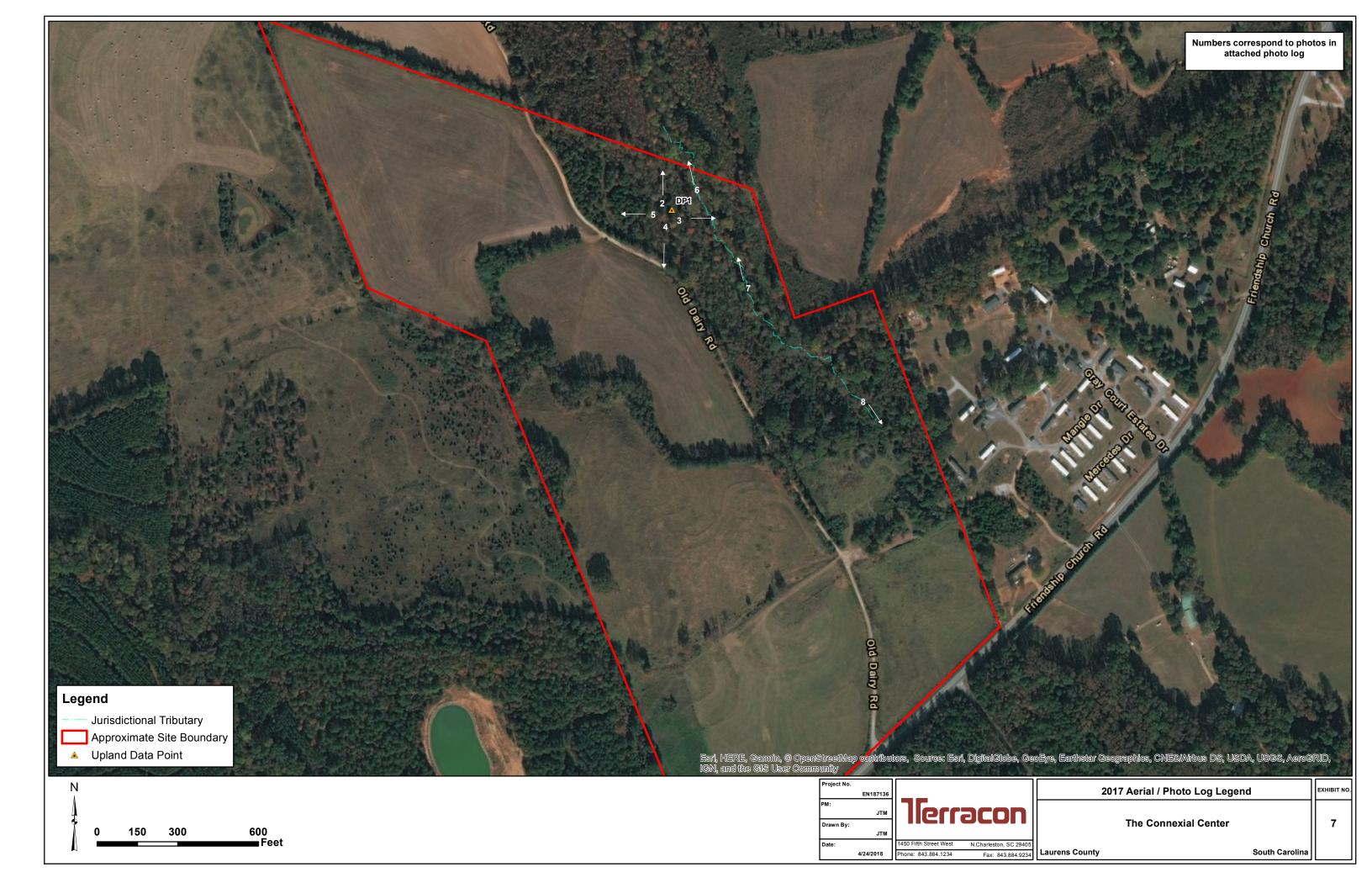






Photo 1 View of DP-1 upland soil.



Photo 2 View of upland area surrounding DP-1 looking north.

Project No. EN187136 Date Photos Taken: April 17, 2018





Photo 3 View of upland area surrounding DP-1 looking east.



Photo 4 View of upland area surrounding DP-1 looking south.





Photo 5 View of upland area surrounding DP-1 looking west.



Photo 6 View of Jurisdictional Tributary 1 looking north on the northern end.





Photo 7 View of Jurisdictional Tributary 1 looking north.



Photo 8 View of the end of Jurisdictional Tributary 1 looking south.

WETLAND DETERMINATION DATA FORM - Eastern Mountains and Piedmont Region

Project/Site: The Connexial Cer	nter	City/County:	Gray Court/Laurens	Sampling Date): <u>04/17/18</u>
Applicant/Owner:			State: SC	Sampling Point	DP-1 UP
Investigator(s): Ted Melchers			Section, Township, Ra		
Landform (hillslope, terrace, etc.):	terrace Loca	al relief (concave,		Slope(%)	10-15%
Subregion (LRR or MLRA): MLRA			Long: - 82.128888		n: NAD 83
Soil Map Unit Name: (MhF) Mad				sification: Not Mappe	ed .
Are climatic / hydrologic conditions					
Are Vegetation Soil □ or Hyd					
Are Vegetation ☐ Soil ☐ or Hydr		roblematic?		plain any answers in	
,	, ,			J- 1	,
SUMMARY OF FINDINGS - Atta	ach site map showing	sample point loca	ntions, transects, impo	ortant features, etc.	
Hydrophytic Vegetation Present?	Yes ☐ No ☑				
Hydric Soil Present?	Yes ☐ No ☑	Is the sam	pled Area Ye	es 🗌 💮 No 🗹	
Wetland Hydrology Present?	Yes □ No ☑	within a W	•		
Remarks:	100 = 1.0 =				
Tromano.					
HYDROLOGY					
Wetland Hydrology Indicators	:		Secondary Indic	ators (minimum of two	o required)
Primary Indicators (minimum of		all that apply)		ce Soil Cracks (B6)	
☐ Surface Water (A1)		atic Plants (B14)		ely Vegetated Concav	ve Surface (B8
High Water Table (A2)	☐ Hydrogen	Sulfide Odor (C1)		age Patterns (B10)	
Saturation (A3)	Oxidized R	hizospheres on Living	Roots (C3) Moss	Trim Lines (B16)	I
Water Marks (B1)		of Reduced Iron (C		eason Water Table (C	(2)
☐ Sediment Deposits (B2)	Recent Ire	on Reduction in Till		sh Burrows (C8)	ĺ
☐ Drift Deposits (B3)	☐ Thin Muc	k Surface (C7)	☐ Satura	ation Visible on Aerial	Imagery (C9)
☐ Algal Mat or Crust (B4)	☐ Other (Ex	plain in Remarks)		ed or Stressed Plants	
☐ Iron Deposits (B5)	•	•		orphic Position (D2)	` ´
Inundation Visible on Aerial Imag	gery			w Aquitard (D3)	
Water-Stained Leaves (B9)	.			opographic Relief (D4	4)
Aquatic Fauna (B13)				Neutral Test (D5)	,
Field Observations:					
Surface water present? Yes	☐ No ☐ Deptl	h (inches):			
Water table present? Yes		h (inches):			
la	☐ No ☐ Depth	h (inches):	Wetland Hydr	ology Present? Ye	es⊟ No⊡
(includes capillary fringe)		·			
Describe recorded data (stream ga	auge, monitoring well,	aerial photos, prev	vious inspections), if a	vailable:	
		•	-		
Remarks:					

VEGETATION (Five Strata) - Use scientific names of plants				Sampling Point: DP-1 UP
<u> </u>				Dominance Test Worksheet
<u>Tree Stratum</u> Plot Size (30 ft radius)	Absolute	Dominant	Indicator	
Tiee Stratum Flot Size (30 it radius)	% Cover	Species	Status	Number of Dominant Species
1mockernut hickory (Carya tomentosa (Lam.)	25 %	Yes	N/A	That Are OBL, FACW, or FAC: 4 (A)
Sweetgum (Liquidambar styraciflua)	20 %	Yes	FAC	
3 Southern red oak (Quercus falcata)	15 %	Yes	FACU	Total Number of Dominant
4 Eastern redcedar (Juniperus virginiana)	5	No	FACU	Species Across All Strata: 9 (B)
5				
6				Percent of Dominant Species
500/ -f t-t-l 00 f	65 % =	Total Cover		That Are OBL, FACW, or FAC 44.44 (A/B)
50% of total cover: 32.5	20% of tot	al cover: 13	3 %_	Prevalence Index Worksheet
Sapling Stratum (Plot size: 30 ft radius)				Total % Cover of: Multiply by:
1 Sweetgum (Liquidambar styraciflua)	15 %	Yes	FAC	OBL species 0 x 1 = 0
2 mockernut hickory (Carya tomentosa (Lam.)	10 %	Yes	N/A	FACW species $0 \times 2 = 0$
3 Tuliptree (Liriodendron tulipifera L.)	10 %	Yes	FACU	FAC species 55 x 3 = 165
4 Eastern redcedar (Juniperus virginiana)	5 %	No	FACU	FACU species 40 x 4 = 160
5	- 0 /0		17.00	UPL species 0 x 5 = 0
6				Column totals 95 (A) 325 (B)
-	40 % =	Total Cover		()
50% of total cover: 20	% 20% of total		3 %	Prevalence Index = B/A = 3.421053
Shrub Stratum (Plot size: 30 ft radius)				Hydrophytic Vegetation Indicators:
1 Sweetgum (Liquidambar styraciflua)	15 %	Yes	FAC	 Rapid Test for Hydrophytic Vegitation
2 Chinese Privet (Ligustrum sinense)	5 %	Yes	FAC	☐ 2 - Dominance Test is > 50%
3 Eastern redcedar (Juniperus virginiana)	5 %	Yes	FACU	☐ 3 - Prevalence Index is ≤3.0
4				Problematic Hydrophytic Vegetation (Explain)
5				
6				Indicators of hydric soil and weland hydrology must
500/ (+ + 1	<u>25 %</u> =	Total Cover	- 0/	be present, uloess disturbed or problematic.
50% of total cover: 12.5	20% of tot	al cover: 5	5 %	Definitions of Five Vanitation Strate.
Herb Stratum (Plot size: 30 ft radius)				Definitions of Five Vegitation Strata:
1 (Flot size: <u>50 it faulus</u>)				Tree - Woody plants, excluding woodyvines,
2				approximately 20 ft (6m) or more in height and
3				3 in. (7.6 cm) or larger in diameter at breast
4				height (DBH).
5			-	3 ()
6				Sapling - Woody plants, excluding woody vines
7				approximately 20 ft (6m) or more in height and
8				less than 3 in. (7.6 cm) DBH.
9				
10				Shrub - Woody plants, excluding woody vines,
11				approximately 3 to 20 ft (1 to 6 m) in height.
500/ // /		Total Cover		
50% of total cover: 0	20% of tot	al cover: (<u> </u>	Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size,
Woody Vine Stratum (Plot size: 30 ft radius)				and woodyplants, except woody vines, less
1 (Flot size: <u>30 it facilis</u>))			than approximately 3ft (1m) in height.
2				than approximately 3it (1111) in height.
3				Woody vine - All woody vines, regardless of
4			-	height.
5				
	0% =	Total Cover		
50% of total cover: 0		al cover: ()	
<u></u>				
				Hydrophytic
				Vegetation
				Present? Yes No ✓
]
Remarks: (Include photo numbers here or on a sepa	arate sheet).			

SOIL Sampling Point: DP-1 UP Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Texture Remarks Loc** (Inches) Color (moist) Type* Color (moist) 100% 0-3" 10YR 4/3 Loamy 100% 3-16" 7.5YR 4/4 Clay 16-20" 7.5YR 5/6 100% Clay *Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains **Location: PL=Pore Lining, M=Matrix Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils: ☐ Histisol (A1)
☐ Histic Epipedon (A2) ☐ Dark Surface (S7) ☐ 2 cm Muck (A10) (MLRA 147) □ Polyvalue Below Surface ☐ Coast Prairie Redox (A16) ☐ Black Histic (A3) (S8) (MLRA 147, 148) (MLRA 147, 148) ☐ Thin Dark Surface (S9) ☐ Hydrogen Sulfide (A4) ☐ Piedmont Floodplain Soils (F19) Stratified Layers (A5) (MLRA 147, 148) (MLRA 136, 147) □ 2 cm Muck (A10) (LRR N)□ Depleted Below Dark Surface (A11) ☐ Loamy Gleyed Matrix (F2) ☐ Very Shallow Dark Surface (TF12) ☐ Depleted Matrix (F3) ☐ Other (Explain in Remarks) ☐ Thick Dark Surface (A12) ☐ Redox Dark Surface (F6) Sandy Mucky Mineral (S1) ☐ Depleted Dark Surface (F7) (LRR N, MLRA 147, 148) ☐ Redox Depressions (F8) ☐ Sandy Gleyed Matrix (S4) ☐ Iron-Manganese Masses ☐ Sandy Redox (S5) (F12) (LRR N, MLRA 136) ☐ Stripped Matrix (S6) Indicators of hydrophytic vegitation and ☐ Umbric Surace (F13) (MLRA 136, 122) wetland hydrology must be present, ☐ Piedmont Floodplain Soils unless disturbed or problematic. (F19) (MLRA 136, 122) ☐ Red Parent Material (F21) (MLRA 127,147) Restrictive Layer (if observed): Type: Depth (inches): **Hydric Soil Present?** Yes No ✓ Remarks: