

Envision Training Center- Early Site Works
Comprehensive Stormwater Pollution Prevention
Plan (C-SWPPP) For Construction Activities:

Project/Site Name:

Envision Training Center – Early Site
Works

Primary Permittee:

Florence County Economic Development
Partnership

Project Address/Location:

N. Williston Drive
Florence, SC

Permittee/Owner Contact:

1951 Pisgah Road
Florence, SC 29501
EconomicDevelopment@florenceco.org

SWPPP Preparer:

Thomas & Hutton
Mark DeSouza, P.E.
1501 Main Street, Suite 760
Columbia, SC 29201
(803) 451-6796
DeSouza.m@tandh.com

Day-to-Day Operator:

To Be Determined

C-SWPPP Preparation Date:

12/20/2023

Modification Dates:



Section 1

PROJECT OVERVIEW

1.1 Narrative (CGP Section 3.2.1)

Construction Activities and BMP Summary

This project consists of clearing and grubbing of a 14.43-acre site located on N Williston Road in Florence South Carolina on a portion of tax parcel 00240-01-007.

Perimeter control Best Management Practices (BMPs) and (2) two temporary sediment traps will be installed prior to the initiation of the clearing/grubbing of the site. The sediment traps will be the primary sediment control BMP used during the lifespan of all clearing and grubbing activities, until final stabilization is reached. Once final stabilization is reached, the sediment traps will remain in place and be maintained as part of the Envision Training Center Early Site Works Package. Detailed information and calculations for the proposed drainage system can be found in Appendix D of this report. No site grading or the construction of any impervious surfaces will occur with this project.

The clearing and grubbing activities will occur in accordance with the approved three-phase Erosion Prevention and Sediment Control Plan. The first phase includes the initial installation of perimeter controls, sediment control BMPs, including the (2) two temporary sediment traps, silt fence, rock outlets, and construction entrance. The second phase includes the mass clearing and grubbing activities. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activity in that portion of the site has temporarily or permanently ceased unless activity in that portion of the site will resume within 14 days.

This SWPPP has been prepared for clearing & grubbing operations, only, as described above. Hydrologic calculations were prepared for the design sizing of the sediment traps. When further development of the site occurs, permit application and SWPPP modifications will occur to accommodate construction activities in subsequent phases.

Pre-Development Conditions

The site, in its pre-developed condition, consists of woods and shrubs with an existing roadway as an access point. There is an existing farmer's pond that drains to the existing irrigation ditch outside the western site boundary. The topography of the site is relatively flat with a maximum elevation of 100 ft and a minimum elevation of 99 ft with the exception of 2 manmade berms located at the northern portion of the site ranging in elevations of 114 ft to 99 ft. Predominant soil group types are HSG A, B, and C/D. A Location Map and Drainage Maps can be found in the Appendix B.

Post-Development Conditions

The site will only be cleared, grubbed, and seeded. There will be no site grading or the construction of any impervious surfaces on the site associated with this project. For calculation of the site runoff associated with the design sizing of the (2) two temporary sediment traps, a land use curve number for bare soil was used, based on the site soil types. The diversion berms shown on the plans will be sized to SC DHEC standards to divert the sheet flow to the temporary sediment traps.

Flooding Issues

The project site does not have any known flooding issues and is located in FEMA Flood Zone X (FIRM Maps 45041C0158E and 45041C0154E, dated December 16, 2014).

Residential Subdivision Information

N/A

Appendix A

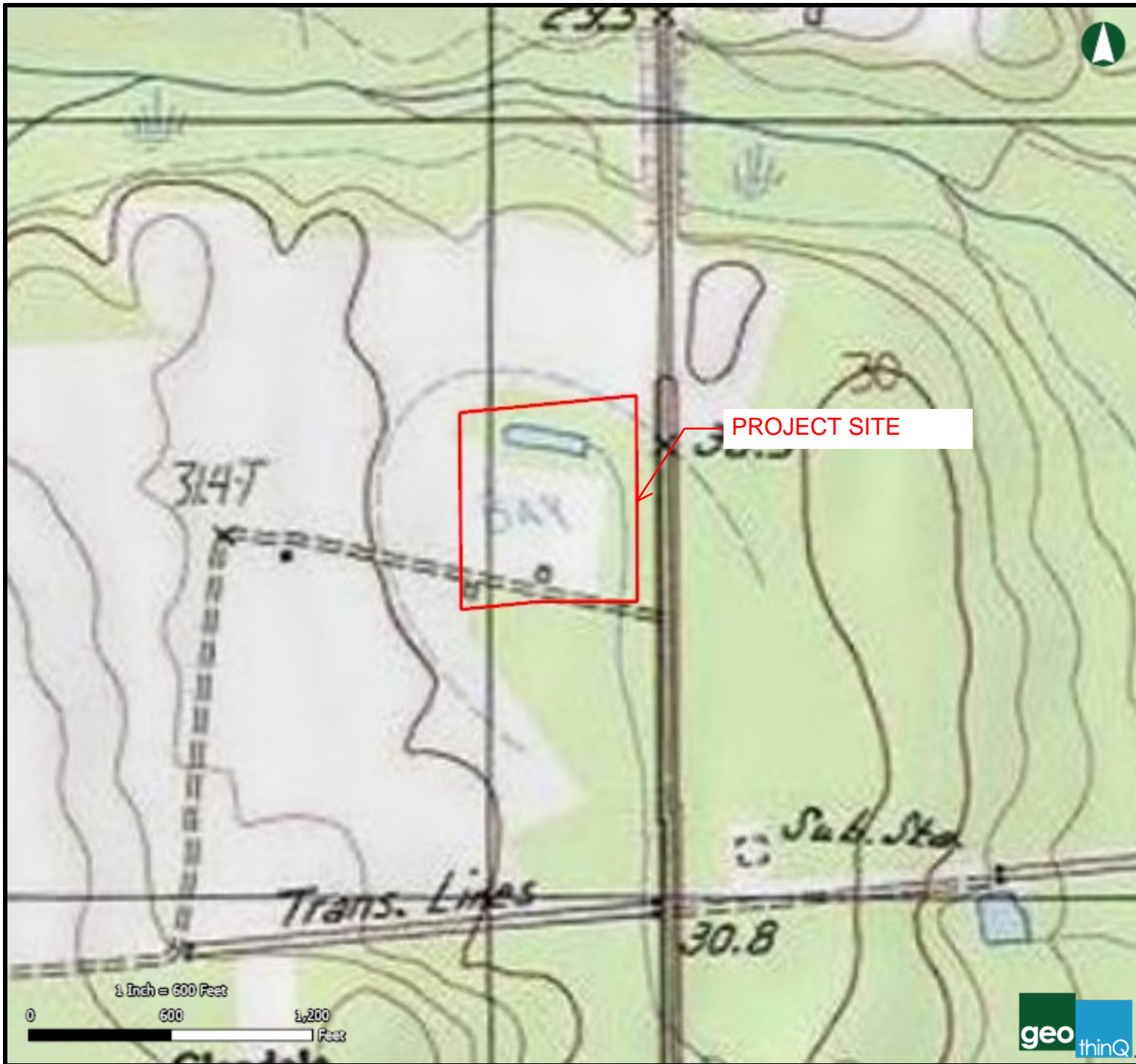
Site Maps



Envision Training Center

Aerial
12/19/2023





Envision Training Center

USGS
12/19/2023









PROJECT SITE





Envision Training Center

FEMA
12/19/2023

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area of Minimal Flood Hazard





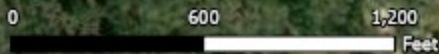
Envision Training Center

Wetlands
12/19/2023

-  Forested Wetland
-  Non-Forested Wetland
-  Salt Marsh
-  Water

PROJECT SITE

1 Inch = 600 Feet



Envision Training Center

Soils
12/19/2023

- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not Classified





DEPARTMENT OF THE ARMY
CHARLESTON DISTRICT, CORPS OF ENGINEERS
1949 INDUSTRIAL PARK ROAD, ROOM 140
CONWAY, SOUTH CAROLINA 29526

June 2, 2021

Regulatory Division

Mr. Paul Petitgout
Lowrys Environmental & Ecological Services, LLC
1823 Quinn Road
Chester, South Carolina 29706
ppetitgout@gmail.com

Dear Mr. Petitgout:

This is in response to your request for an Approved Jurisdictional Determination (AJD) (SAC-2020-01775) received in our office on December 15, 2020, for an 81.57-acre site depicted as Florence County TMS 00240-01-007 and located west of SC Highway 327, east of the City of Florence, Florence County, South Carolina (Latitude: 34.2127°, Longitude: -79.6872°). An AJD is used to indicate that the U.S. Army Corps of Engineers (Corps) 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 as waters of the United States pursuant to Section 404 of the Clean Water Act (CWA) (33 U.S.C. § 1344) and/or navigable waters of the United States pursuant to Sections 9 and 10 of the Rivers and Harbors Act of 1899 (RHA) (33 U.S.C. § 401 *et. seq.*). This AJD is issued in accordance with the definition of Waters of the United States in Corps regulations at 33 C.F.R. §328.3, as revised by the Navigable Waters Protection Rule: "Definition of Waters of the United States," 85 Fed. Reg. 22250 (April 21, 2020), which became effective on June 22, 2020.

The site is shown on the attached sketch titled "SC Highway 327 Florence Site / Florence County, South Carolina / Preliminary Wetlands Map (Florence County, SC GIS Aerial)", dated December 4, 2020, revised on May 26, 2021, and prepared by Lowrys Environmental & Ecological Services, LLC. Based on a review of aerial photography, topographic maps, National Wetlands Inventory maps, soil survey information, and Wetland Determination Data Forms, we conclude the site, as shown on the referenced sketch, does not contain any aquatic resources subject to regulatory jurisdiction under Section 404 of the CWA or Sections 9 and 10 of the RHA.


Attached is a form describing the basis of jurisdiction for the delineated area(s). Note that some or all of these areas may be regulated by other state or local government entities and you should contact the South Carolina Department of Health and Environmental Control, Bureau of Water, or Department of Ocean and Coastal Resource Management, to determine the limits of their jurisdiction.

This AJD is valid for five (5) years from the date of this letter unless new information warrants revision before the expiration date. This AJD is an appealable action under the Corps administrative appeal procedures defined at 33 CFR Part 331. The administrative appeal options, process and appeals request form is attached for your convenience and use.

The delineation included herein has been conducted to identify the location and extent of the aquatic resource boundaries and/or the jurisdictional status of aquatic resources for purposes of the Clean Water Act for the particular site identified in this request. This delineation and/or jurisdictional determination may not be valid for the Wetland Conservation Provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should discuss the applicability of a certified wetland determination with the local USDA service center, prior to starting work.

In all future correspondence, please refer to file number SAC-2020-01775. A copy of this letter is forwarded to State and/or Federal agencies for their information. If you have any questions, please contact me at (843) 365-1709, or by email at Ann.W.Eaddy@usace.army.mil.

Sincerely,


Digitally signed by
EADDY.ANN.W.136
2927133
Date: 2021.06.02
10:58:05 -04'00'

Ann Eaddy
Project Manager

Attachments:

Approved Jurisdictional Determination Form
Sketch
Notification of Appeal Options

Copies Furnished:

Mr. K.G. Smith
Florence County
180 North Irby Street, MSC-G
Florence, South Carolina 29501
kgrsmith@florenceco.com

SCDHEC – Bureau of Water
2600 Bull Street
Columbia, South Carolina 29201
WQCWetlands@dhec.sc.gov



U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 2-JUN-2021

ORM Number: SAC-2020-01775

Associated JDs: N/A

Review Area Location¹:

State/Territory: SC City: County: Florence County

Center Coordinates of Review Area: Latitude 34.212742 Longitude -79.687203

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list **MUST** be selected. Complete the corresponding sections/tables and summarize data sources.

- The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A or describe rationale.
- There are “navigable waters of the United States” within Rivers and Harbors Act jurisdiction within the review area (complete table in section II.B).
- There are “waters of the United States” within Clean Water Act jurisdiction within the review area (complete appropriate tables in section II.C).
- There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)²

§ 10 Name	§ 10 Size	§ 10 Criteria	Rationale for § 10 Determination
N/A	N/A	N/A	N/A

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters)³

(a)(1) Name	(a)(1) Size	(a)(1) Criteria	Rationale for (a)(1) Determination
N/A	N/A	N/A	N/A

Tributaries ((a)(2) waters):

(a)(2) Name	(a)(2) Size	(a)(2) Criteria	Rationale for (a)(2) Determination
N/A	N/A	N/A	N/A

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):

(a)(3) Name	(a)(3) Size	(a)(3) Criteria	Rationale for (a)(3) Determination
N/A	N/A	N/A	N/A

Adjacent wetlands ((a)(4) waters):

(a)(4) Name	(a)(4) Size	(a)(4) Criteria	Rationale for (a)(4) Determination
N/A	N/A	N/A	N/A

¹ Map(s)/Figure(s) are attached to the AJD provided to the requestor.

² If the navigable water is not subject to the ebb and flow of the tide and included on the District's list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.

³ A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where independent upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD form.

⁴ Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps Districts may, in case-by-case instances, choose to identify some or all of these waters within the review area.

⁵ Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.



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D. Excluded Waters or Features

Excluded waters ((b)(1) – (b)(12))⁴:

Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination
Excluded Water D1	2200 feet	(b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Excluded Water D1 was determined to be an excluded water based on a review of the aerials, topographic map, NWIs, and soil survey. The topo map depicts this feature as a blue line, and the aerials depict this Excluded Water as a linear feature. This feature is depicted on the soil survey as Coxville, a hydric soil, and on the NWIs as a riverine system. This feature is naturally occurring; however, it was determined, based on information submitted by the agent such as photographs of D1, to have ephemeral flow. Therefore, it was determined to be an excluded water.
Excluded Water D2	1400 feet	(b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool	Excluded Water D2 was determined to be an excluded water based on a review of the aerials, topographic map, and soil survey. The topo map does not depict this feature; however, the aerials depict this Excluded Water as a linear feature. This feature is depicted on the soil survey as Rains, a hydric soil. This feature is naturally occurring; however, it was determined, based on information submitted by the agent such as photographs of D2, to have ephemeral flow. Therefore, it was determined to be an excluded water.
Excluded Water OWA	0.42 acres	(b)(8) Artificial lake/pond constructed or excavated in upland or a non-jurisdictional water, so long as the artificial lake or pond is not an impoundment of a jurisdictional water that meets (c)(6)	Excluded Water OWA was determined to be a man-made pond. Both the aerials and the topographic map depict this rectangular pond as being excavated out of uplands on site. Although the soil survey maps this area as Coxville, a hydric soil, the excluded water was determined to not be an impoundment of a jurisdictional water. Therefore, OWA was determined to be an excluded water.
Excluded Water WA	1.86 acres	(b)(1) Non-adjacent wetland	Excluded Water WA was determined to be non-jurisdictional based on a review of the aerials, soil survey, and information submitted by the agent. This wetland is depicted as abutting Excluded Water D2. Because Excluded Water D2 was determined to have ephemeral flow, and WA does not abut an (a)(1)-(a)(3) water nor is it inundated by or physically separated by a natural or artificial barrier from an (a)(1)-(a)(3) water, WA was determined to not be jurisdictional.
Excluded Water WC	0.34 acres	(b)(1) Non-adjacent wetland	Excluded Water WC was determined to be non-jurisdictional based on a review of the aerials, soil survey, and information submitted by the agent. This wetland is depicted as abutting Excluded Water D2. Because Excluded Water D2 was determined to have ephemeral flow, and WC does not abut an (a)(1)-(a)(3) water nor is it inundated by or physically separated by a natural or artificial barrier from an (a)(1)-(a)(3) water, WC was determined to not be jurisdictional.
Excluded Water	4.51 acres	(b)(1) Non-adjacent wetland	Excluded Water WP was determined to be non-

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WP			jurisdictional based on a review of the aerials, soil survey, and information submitted by the agent. This wetland is depicted as abutting Excluded Water D1. Because Excluded Water D1 was determined to have ephemeral flow, and WP does not abut an (a)(1)-(a)(3) water nor is it inundated by or physically separated by a natural or artificial barrier from an (a)(1)-(a)(3) water, WP was determined to not be jurisdictional.
Excluded Water WQ	3.15 acres	(b)(1) Non-adjacent wetland	Excluded Water WQ was determined to be non-jurisdictional based on a review of the aerials, soil survey, and information submitted by the agent. This wetland is depicted as abutting both Excluded Water D1 and Excluded Water D2. Both D1 and D2 have been determined to have ephemeral flow. Additionally, WQ does not abut an (a)(1)-(a)(3) water nor is it inundated by or physically separated by a natural or artificial barrier from an (a)(1)-(a)(3) water. Therefore, WQ was determined to not be jurisdictional.
Excluded Water WW	1.73 acres	(b)(1) Non-adjacent wetland	Excluded Water WW is a wetland located immediately north of Excluded Water WQ. WW also abuts both Excluded Water D1 and Excluded Water D2, which have ephemeral flow. Additionally, WW does not abut an (a)(1)-(a)(3) water nor is it inundated by or physically separated by a natural or artificial barrier from an (a)(1)-(a)(3) water. Therefore, WW was determined to not be jurisdictional.
Excluded Water WX	0.38 acres	(b)(1) Non-adjacent wetland	Excluded Water WX was determined to be non-jurisdictional based on a review of the aerials, soil survey, and information submitted by the agent. This wetland is depicted as abutting Excluded Water D1, which has been determined to have ephemeral flow. Additionally, WX does not abut an (a)(1)-(a)(3) water nor is it inundated by or physically separated by a natural or artificial barrier from an (a)(1)-(a)(3) water. Therefore, WX was determined to not be jurisdictional.
Excluded Water WY	0.34 acres	(b)(1) Non-adjacent wetland	Excluded Water WY is a closed boundary polygon determined to be non-jurisdictional because it does not abut nor is it inundated by an (a)(1)-(a)(3) water. The aerials depict this site as forested with no linear features present and surrounded by uplands. No blue lines or other potential aquatic resources are depicted on the topographic map. Based on this information, WY was determined to be an excluded water.
Excluded Water WZ	0.34 acres	(b)(1) Non-adjacent wetland	Excluded Water WZ was determined to be non-jurisdictional based on a review of the aerials and information submitted by the agent. This wetland is depicted as abutting Excluded Water D1. Because Excluded Water D1 was determined to have ephemeral flow, and WZ does not abut an (a)(1)-(a)(3) water nor is it inundated by or physically separated by a natural or artificial barrier from an (a)(1)-(a)(3) water, WZ was determined to not be jurisdictional.

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III. SUPPORTING INFORMATION

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

Information submitted by, or on behalf of, the applicant/consultant: *AJD Request submitted by Lowrys Environmental & Ecological Services, LLC, on behalf of Florence County, on 15 DEC 2020.*

This information is sufficient for purposes of this AJD.

Rationale: *The wetland data forms and information submitted by the agent are considered to be a reasonable representation of site conditions at the time of collection and are sufficient for purposes of this AJD.*

____ Data sheets prepared by the Corps: *N/A.*

Photographs: *Photographs submitted by the agent dated 21 Jan 2021. Google Earth aerial dated 21 Sep 2018.*

____ Corps Site visit(s) conducted on: *N/A*

____ Previous Jurisdictional Determinations (AJDs or PJDs): *N/A.*

Antecedent Precipitation Tool: *provide detailed discussion in Section III.B.*

USDA NRCS Soil Survey: *NRCS Soil Survey Geographic Database (SSURGO) Map Service created 4 Apr 2019 and updated 26 Aug 2020. The site consists of Coxville fine sandy loam, Orangeburg loamy sand, Norfolk loamy sand, and Rains sandy loam.*

USFWS NWI maps: *USFWS NWI - Wetlands Raster REST Map service dated May 29, 2012 and updated on July 17, 2020. According to the NWIs, the majority of the site is mapped uplands; however, a blue line intersects the project boundary.*

USGS topographic maps: *USGS Topographic Map / 7.5 Minute Index / Florence East Quad. The topographic map depicts this site as uplands with a blue line intersecting the site from north to south.*

Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS Sources	USGS Topographic Map.
USDA Sources	N/A.
NOAA Sources	N/A.
USACE Sources	SAC Regulatory Viewer accessed on 20 MAY 2021.
State/Local/Tribal Sources	N/A.
Other Sources	N/A.

B. Typical year assessment(s): Antecedent Rainfall Calculator data for typical year determination was calculated based on the field collection date provided by the agent (20 Nov 2020). The Antecedent Rainfall Calculator data showed “wetter than normal” conditions at the time of data collection by the

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agent with a condition value of 15, which indicates that typical year hydrologic conditions were not present. For this assessment, three weather stations, located within an 8-mile radius, were used.

- C. Additional comments to support AJD:** This 81.57 acre site contains no jurisdictional waters. This site does contain 11 excluded waters, which are comprised of (b)(1), (b)(3), and (b)(8) waters. Based on a review of the aeriels, topographic map, soil survey, NWIs, and information submitted by the agent, the remainder of the site was determined to consist of uplands.

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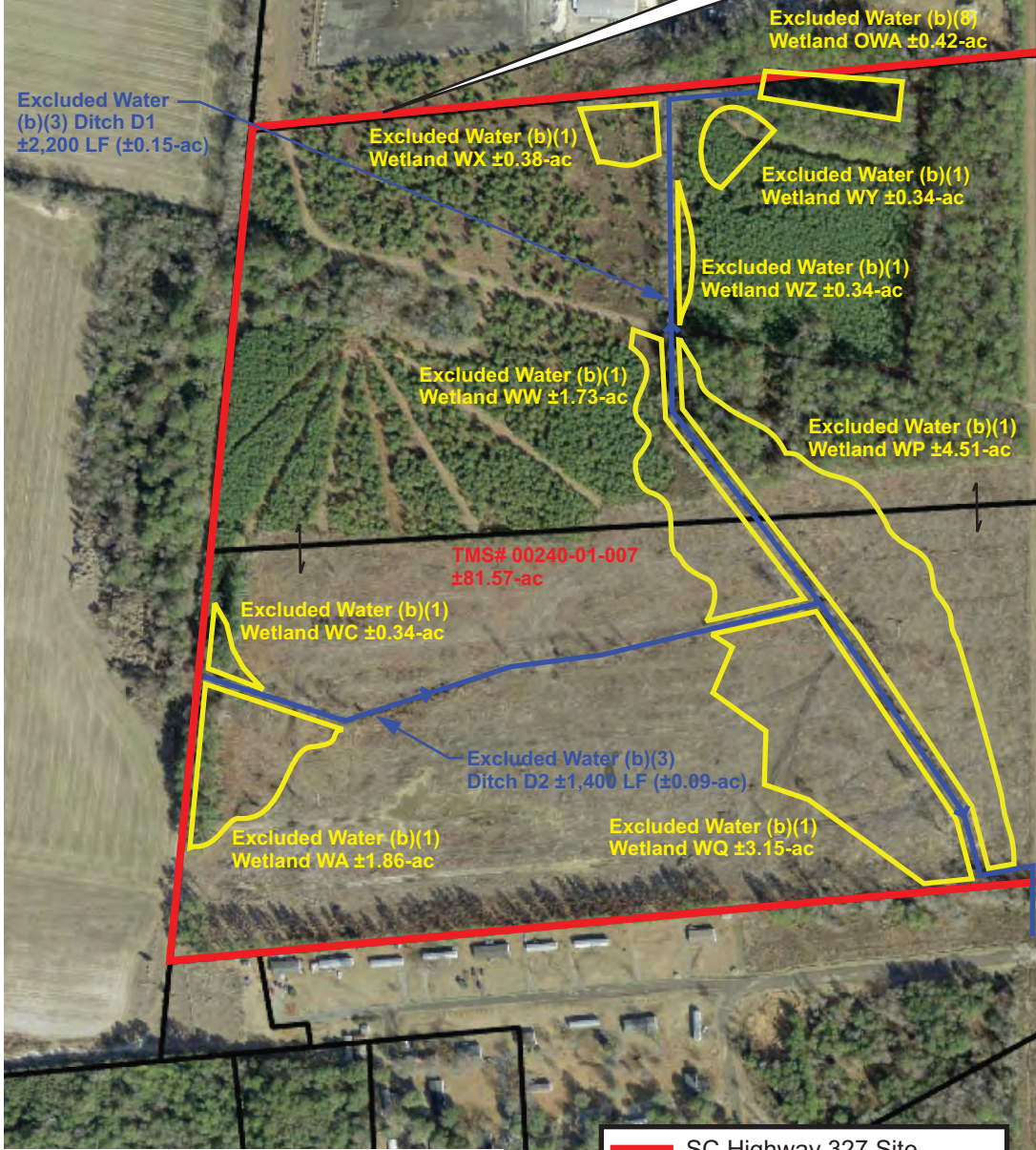
Non-Jurisdictional Features

- Excluded Water Ditch D1: (b)(3), (±2,200 LF (±0.15-ac.))
- Excluded Water Ditch D2: (b)(3), (±1,400 LF (±0.09-ac.))
- Excluded Water (b)(1) Wetland WA: (±1.86-ac.)
- Excluded Water (b)(1) Wetland WC: (±0.34-ac.)
- Excluded Water (b)(1) Wetland WP: (±4.51-ac.)
- Excluded Water (b)(1) Wetland WQ: (±3.15-ac.)
- Excluded Water (b)(1) Wetland WW: (±1.73-ac.)
- Excluded Water (b)(1) Wetland WX: (±0.38-ac.)
- Excluded Water (b)(1) Wetland WY: (±0.34-ac.)
- Excluded Water (b)(1) Wetland WZ: (±0.34-ac.)
- Excluded Water (b)(8) Wetland OWA: (±0.42-ac.)
- Upland Area: ±68.26-ac.

Area Summary

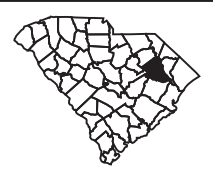
Total Land Area: ±81.57
 Total Excluded Waters and Wetlands Area: ±13.31-ac.
 Total Upland Area: ±68.26

**SC Highway 327 Site
 ±81.57-acres**



Note: The wetland areas depicted on this map are approximate (in size and location). These areas have not been surveyed. Actual locations and sizes will be determined after the areas have been surveyed.

— SC Highway 327 Site
 Scale: Not to Scale
 Source: Florence County, SC GIS Aerial (Unknown Date)
 Disclaimer: The information depicted on this figure is for informational purposes only and was not prepared for, and is not suitable for legal or engineering purposes.



SC Highway 327 Florence Site
 Florence County, South Carolina
 Preliminary Wetlands Map (Florence County, SC GIS Aerial)

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Drawn By: SPP	Date: 12-4-20	Rev. 5-26-21
Project Mgr. SPP	Scale: Not to Scale	Sheet: 6

Appendix H

Construction General Permit SCR100000

A copy of the NPDES General Permit for Stormwater Discharges from Construction Activities (SCR100000) can be found at the following address:

<http://www.scdhec.gov/environment/water/swater/docs/CGP-permit.pdf>