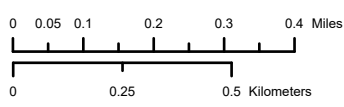
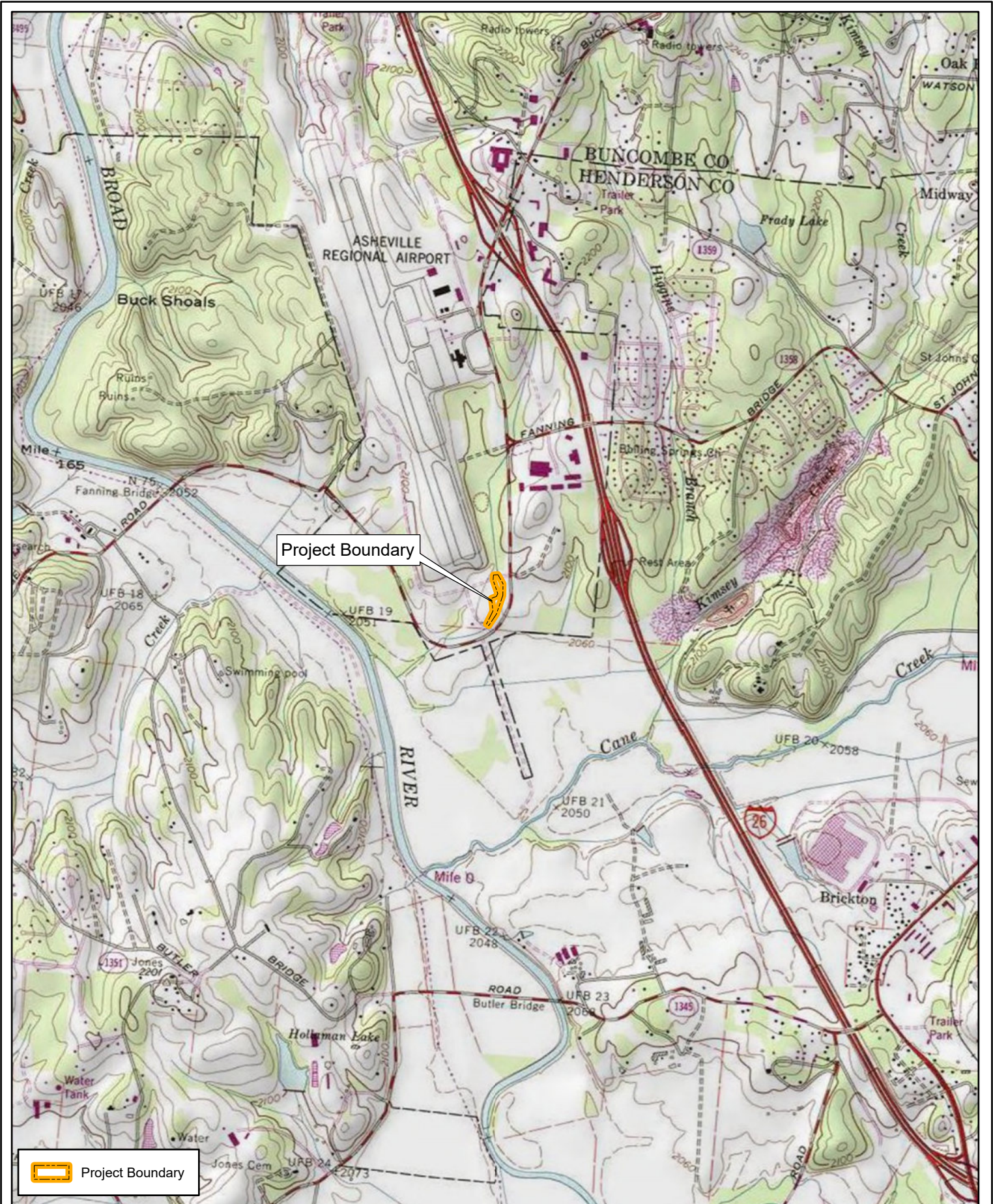


 Project Boundary

Vicinity Map
Figure 1

**AVL Southside ROFA
(+/- 1.85 Ac)
Buncombe County, NC.**

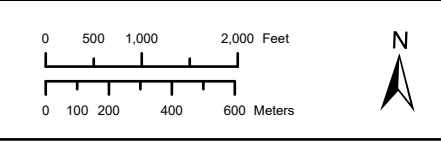




 Project Boundary


USGS Topographic Map
 1:24K Scale Quad: Asheville
 Figure 2

**AVL Southside ROFA
 (+/- 1.85 Ac)
 Buncombe County, NC.**



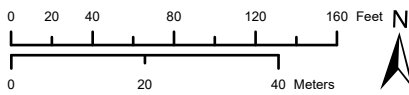
Basemap courtesy of National Geographic Society (2013).

Project Boundary

 Project Boundary

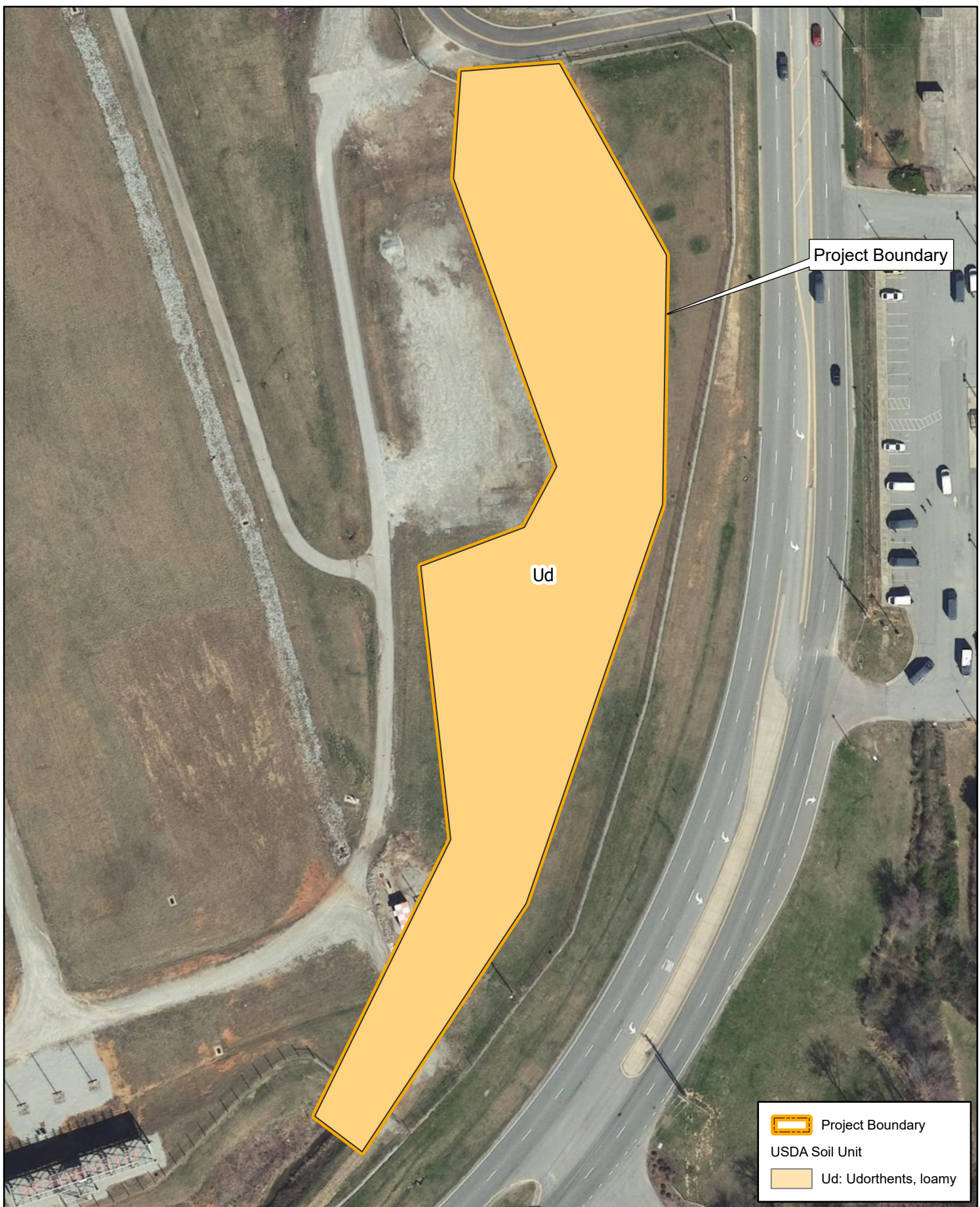
Aerial Imagery Map
NC OneMap (2022)
Figure 3



**AVL Southside ROFA
(+/- 1.85 Ac)
Buncombe County, NC.**



ClearWater
An EnviroScience Company 

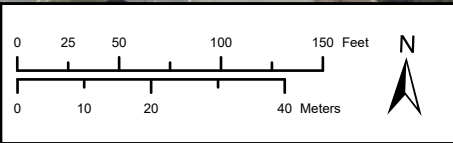
Basemap courtesy of NC OneMap (2019).



 Project Boundary
 USDA Soil Unit
 Ud: Udorthents, loamy

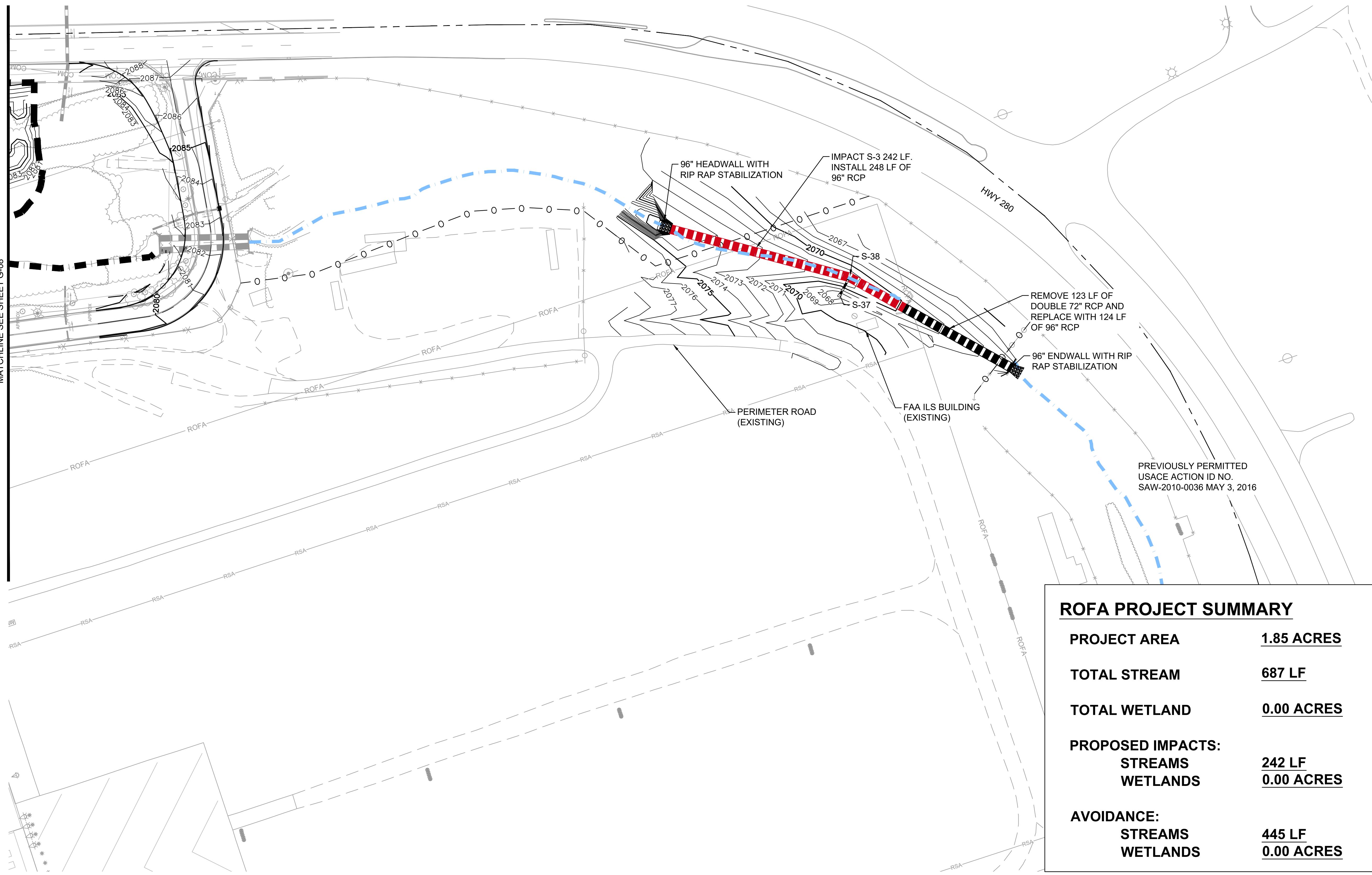
USDA Soils Map
 NRCS Web Soil Survey
 Figure 4

AVL Southside ROFA
(+/- 1.85 Ac)
Buncombe County, NC.







P:\2022\2022.0157.02 - AVL - SOUTH PARKING AREA\02B SOUTH PARKING AREA\02B 2022.0157.02 ENGINEERING\CAD\EXHIBITS\STREAM AND WETLANDS\2022.0157.02-EXHIBIT 3.DWG 1/18/2024

MATCHLINE SEE SHEET G-08

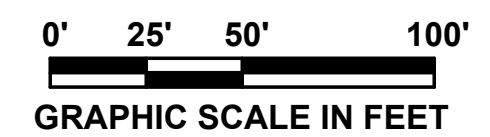


LEGEND

-  STREAMS
-  PROPOSED PIPE (STREAM IMPACT)
-  PROPOSED PIPE (NO STREAM IMPACT)
-  PROPERTY LINE

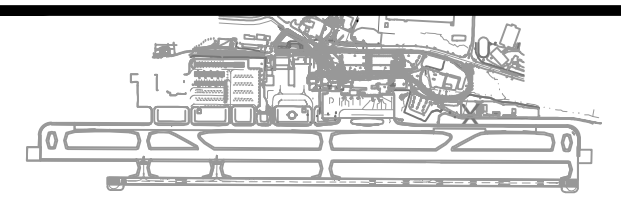
ROFA PROJECT SUMMARY

PROJECT AREA	<u>1.85 ACRES</u>
TOTAL STREAM	<u>687 LF</u>
TOTAL WETLAND	<u>0.00 ACRES</u>
PROPOSED IMPACTS:	
STREAMS	<u>242 LF</u>
WETLANDS	<u>0.00 ACRES</u>
AVOIDANCE:	
STREAMS	<u>445 LF</u>
WETLANDS	<u>0.00 ACRES</u>



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**ASHEVILLE
REGIONAL AIRPORT
FLETCHER
NORTH CAROLINA**



KEY PLAN

SOUTH PARKING AREA

**STREAM AND WETLAND
IMPACTS - ROFA
PROJECT AREA**

ATTENTION:

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SCALE: AS NOTED




REVISIONS:			
NO.	DATE	BY	DESCRIPTION

DESIGNED BY: K.W.B.
DRAWN BY: K.W.B.
CHECKED BY: J.M.M.
APPROVED BY: J.M.M.
DATE: JANUARY 2024

STATE LICENSE # N.C. C-2450
PROJECT NO. 2022.0157.02B

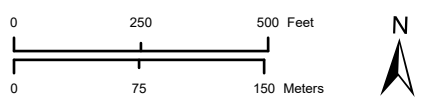
**SHEET NUMBER
FIG-5.1**



 Project Boundary
 FEMA Flood Zones
 100 Year Floodplain
 Floodway

FEMA Flood Zone Map
 FIRM Panel: 3700964200K
 (Eff. 1/6/2010)
 Figure 6

AVL Southside ROFA
(+/- 1.85 Ac)
Buncombe County, NC.



Basemap courtesy of NC OneMap (2019). Flood data courtesy of FEMA.



Photo 1. Upstream end of existing culvert



Photo 2. Flooding resulting from clogged culvert grate



Photo 3. Land uses upstream of existing culvert (facing upstream).



Photo 4. Land uses upstream of existing culvert (facing downstream).

AVL Southside Improvements (+/- 1.85 Ac)

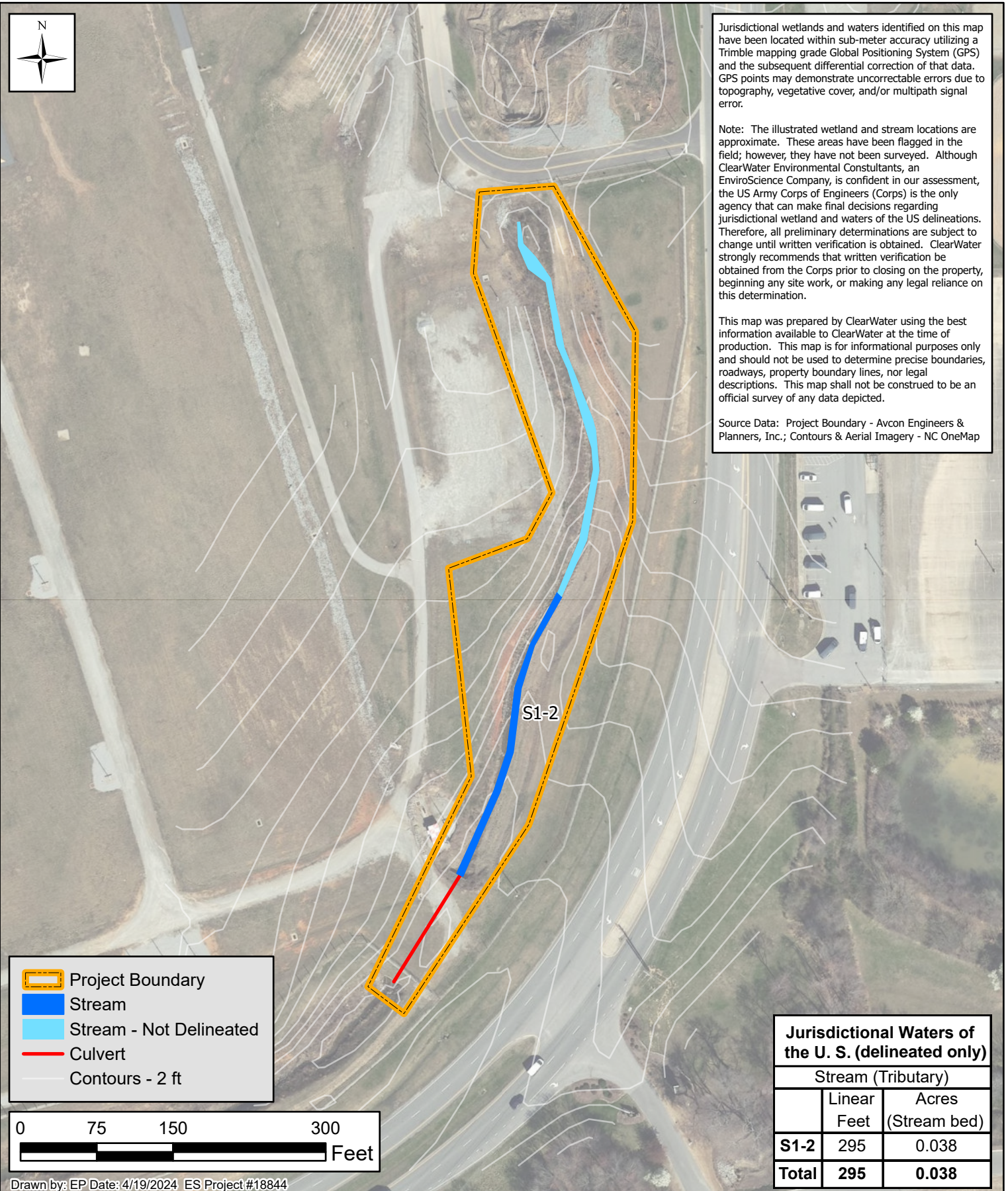







Jurisdictional wetlands and waters identified on this map have been located within sub-meter accuracy utilizing a Trimble mapping grade Global Positioning System (GPS) and the subsequent differential correction of that data. GPS points may demonstrate uncorrectable errors due to topography, vegetative cover, and/or multipath signal error.

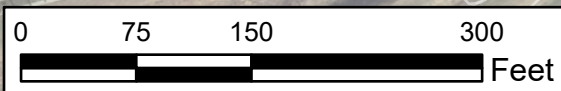
Note: The illustrated wetland and stream locations are approximate. These areas have been flagged in the field; however, they have not been surveyed. Although ClearWater Environmental Consultants, an EnviroScience Company, is confident in our assessment, the US Army Corps of Engineers (Corps) is the only agency that can make final decisions regarding jurisdictional wetland and waters of the US delineations. Therefore, all preliminary determinations are subject to change until written verification is obtained. ClearWater strongly recommends that written verification be obtained from the Corps prior to closing on the property, beginning any site work, or making any legal reliance on this determination.

This map was prepared by ClearWater using the best information available to ClearWater at the time of production. This map is for informational purposes only and should not be used to determine precise boundaries, roadways, property boundary lines, nor legal descriptions. This map shall not be construed to be an official survey of any data depicted.

Source Data: Project Boundary - Avcon Engineers & Planners, Inc.; Contours & Aerial Imagery - NC OneMap



-  Project Boundary
-  Stream
-  Stream - Not Delineated
-  Culvert
-  Contours - 2 ft



Drawn by: EP Date: 4/19/2024 ES Project #18844

Jurisdictional Waters of the U. S. (delineated only)		
Stream (Tributary)		
	Linear Feet	Acres (Stream bed)
S1-2	295	0.038
Total	295	0.038

Buncombe County,
North Carolina

ClearWater
An EnviroScience Company
145 7th Ave West, Suite B
Hendersonville, North Carolina 28792

Wetland and Stream Map
Delineated February 6, 2022
Figure 5