

STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

IN RE: :  
: :  
A PETITION OF CELCO PARTNERSHIP : PETITION NO. 1331  
D/B/A VERIZON WIRELESS FOR A :  
DECLARATORY RULING ON THE NEED TO :  
OBTAIN A SITING COUNCIL CERTIFICATE :  
FOR THE INSTALLATION OF TWO :  
WIRELESS TELECOMMUNICATIONS :  
FACILITIES AT LIME ROCK PARK, 497 LIME :  
ROCK ROAD, LAKEVILLE, CONNECTICUT : NOVEMBER 2, 2017

**RESPONSES OF CELCO PARTNERSHIP D/B/A VERIZON WIRELESS  
TO CONNECTICUT SITING COUNCIL INTERROGATORIES**

On October 25, 2017, the Connecticut Siting Council (“Council”) issued Interrogatories to Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to Petition No. 1331. Cellco’s responses to these pre-hearing questions are provided below.

Question No. 1

On November 13, 2015 the Connecticut Siting Council approved Petition No. 1193 for Verizon’s installation of a small cell telecommunications facility at Lime Rock Park, 497 Lime Rock Road, Lakeville, Connecticut. Would the approved small cell facility and the facilities proposed in the current petition be constructed? Does the current petition supersede this proposal? If not, explain.

Response

Yes. The proposed installation of the Lime Rock Park SC1 and Lime Rock Park SC2 Facilities described in Petition No. 1331 is intended to supersede the Council’s previous approval of Petition No. 1193.

Question No. 2

Identify the zoning designation of the subject parcel.

Response

The portion of the Lime Rock Park parcel where the two small cell facilities would be located is in the Town of Salisbury's Rural Enterprise (RE) zone district.

Question No. 3

What is the distance to the nearest inland wetland to each site?

Response

The closest wetland area is located approximately 857 feet northeast (Wetland No. 3) of the Lime Rock Park SC1 facility and approximately 96 feet south (Wetland No. 1) of the Lime Rock Park SC2 location. A copy of a Wetlands Inspection report for the project is attached.

Question No. 4

Petition Attachment 4, page 1, references the racing venue is listed on the National Register of Historic Places. Is a Section 106 of the National Historic Preservation Act review required for the proposed small cell installations including the small cell approved under Petition No. 1193?

Response

Yes, the proposed Lime Rock Park small cell installations described in Petition No. 1331 will require a Section 106 review. Lime Rock Park and Cellco have designed the proposed installations based on preliminary discussions with the State Historic Preservation Office to promote development of the least visible facilities.

Question No. 5

Please submit two copies of the site plans and structural analysis of the wood pole certified by a Professional Engineer duly licensed in the State of Connecticut.

Response

Attached is a Structural Assessment Letter, confirming that the proposed wood pole that Cellco intends to use at the Lime Rock Park SC2 location will be capable of supporting Verizon's proposed radio equipment and will comply with the applicable codes and standards. A partial site plan and elevation drawing for the Lime Rock Park SC2 Facility is included in the Petition No. 1331 filing (Sheet C-3).



## WETLAND INSPECTION

September 3, 2017

APT Project No.: CT1416010

**Prepared For:** Verizon Wireless  
99 East River Drive  
East Hartford, CT 06108  
Attn: Aleksey Tyurin

**Verizon Wireless Site Name:** Lime Rock Park CT (Two-Site Solution)

**Site Address:** Lime Rock Park  
497 Lime Rock Road, Lakeville, Connecticut

**Date(s) of Investigation:** 12/10/2016 & 8/11/2017

**Field Conditions:** **Weather:** sunny, low 20's (2016) & high 70's (2017)  
**Soil Moisture:** dry to moist

**Wetland/Watercourse Delineation Methodology\*:**

- Connecticut Inland Wetlands and Watercourses
- Connecticut Tidal Wetlands
- Massachusetts Wetlands
- U.S. Army Corps of Engineers

**Municipal Upland Review Area/Buffer Zone:**

**Wetlands:** 75 feet  
**Watercourses:** 75 feet

The wetlands inspection was performed by<sup>†</sup>:

Dean Gustafson, Professional Soil Scientist

&

Matthew Gustafson, Registered Soil Scientist

Enclosures: Wetland Delineation Field Forms & Wetland Inspection Maps

*This report is provided as a brief summary of findings from APT's wetland investigation of the referenced Study Area that consists of proposed development activities and areas generally within 200 feet.<sup>‡</sup> If applicable, APT is available to provide a more comprehensive wetland impact analysis upon receipt of site plans depicting the proposed development activities and surveyed location of identified wetland and watercourse resources.*

\* Wetlands and watercourses were delineated in accordance with applicable local, state and federal statutes, regulations and guidance.

† All established wetlands boundary lines are subject to change until officially adopted by local, state, or federal regulatory agencies.

‡ APT has relied upon the accuracy of information provided by Verizon Wireless and its contractors regarding proposed lease area and access road/utility easement locations for identifying wetlands and watercourses within the study area.

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# Attachments

- Wetland Delineation Field Forms
- Wetland Inspection Maps

## Wetland Delineation Field Form

Wetland I.D.:	Wetland 1	
Flag #'s:	Wetland boundary was field confirmed remotely due to access restrictions	
Flag Location Method:	Site Sketch <input checked="" type="checkbox"/>	GPS (sub-meter) located <input checked="" type="checkbox"/>

### WETLAND HYDROLOGY:

#### NONTIDAL

Intermittently Flooded <input type="checkbox"/>	Artificially Flooded <input type="checkbox"/>	Permanently Flooded <input type="checkbox"/>
Semipermanently Flooded <input type="checkbox"/>	Seasonally Flooded <input type="checkbox"/>	Temporarily Flooded <input type="checkbox"/>
Permanently Saturated <input type="checkbox"/>	Seasonally Saturated – seepage <input type="checkbox"/>	Seasonally Saturated - perched <input type="checkbox"/>
Comments: No wetland bordering a perennial stream; only bank of stream identified		

#### TIDAL

Subtidal <input type="checkbox"/>	Regularly Flooded <input type="checkbox"/>	Irregularly Flooded <input type="checkbox"/>
Irregularly Flooded <input type="checkbox"/>		
Comments: None		

### WETLAND TYPE:

#### SYSTEM:

Estuarine <input type="checkbox"/>	Riverine <input checked="" type="checkbox"/>	Palustrine <input type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: None		

#### CLASS:

Emergent <input type="checkbox"/>	Scrub-shrub <input checked="" type="checkbox"/>	Forested <input type="checkbox"/>
Open Water <input checked="" type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

### WATERCOURSE TYPE:

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Salmon Creek		
Comments: Very steeply sloping banks with dense shrub vegetation (not accessible by foot) with a large cobble/sandy bottom.		

## Wetland Delineation Field Form (Cont.)

**SPECIAL AQUATIC HABITAT:**

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type:	
Comments: None	

**SOILS:**

Are field identified soils consistent with NRCS mapped soils?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

**DOMINANT PLANTS:**

Staghorn Sumac ( <i>Rhus typhina</i> )	Northern Arrow-wood ( <i>Viburnum recognitum</i> )
Autumn Olive* ( <i>Elaeagnus umbellata</i> )	Red Maple ( <i>Acer rubrum</i> )
Asiatic Bittersweet* ( <i>Celastrus orbiculatus</i> )	

\* denotes Connecticut Invasive Species Council invasive plant species

**GENERAL COMMENTS:**

Verizon Wireless is proposing to install two small cell facilities as part of a two-site solution at Lime Rock Park in Lakeville, CT, identified as Site #1 – west side of track (30-foot tall wooden pole tower) and Site #2 – east side of track (25-foot 3-inch tall pipe mounted to building facade). Utilities would be routed underground from nearby utility poles. Both small cell facilities are located in upland areas adjacent to existing Lime Rock Park facilities: Site #1 is adjacent to the Will Call & Registration building and Site #2 is adjacent to the Outfield Chalet building. Two perennial streams border the race track to the north (Salmon Creek) and to the south (White Hollow Brook), representing the primary wetland resources on the subject property.

Wetland 1 consists of a steeply sloping bank on the north side of Salmon Creek located ±96 feet south of Site #2. The bank to this resource is very densely vegetated with herbaceous growth. Due to the combination of dense vegetation and steep slopes, access to the jurisdictional boundary associated with this stream resource was not possible. The jurisdictional boundary was identified using on-site remote sensing techniques.

Although Salmon Creek is located relatively close to Site #2, the proposed facility would be located within an existing maintained lawn that would not require removal of mature vegetation bordering the nearby stream. Provided erosion and sedimentation controls are installed and maintained during construction in accordance with the *2002 Connecticut Guidelines for Soil Erosion and Sedimentation Control*, no likely adverse impact to Salmon Creek is anticipated with the proposed Verizon Wireless development. This statement is based on All-Point Technology Corp., P.C.'s current understanding of the proposed development, which is based on a review of the project's lease exhibit prepared by On Air Engineering, LLC, latest revision date 05/04/17 (Sheet Nos. L-1, L-2 & L-3).

## Wetland Inspection Field Form

Wetlands Identified within Study Area:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Nearest Wetland Resource:	Wetland 2 - 890 feet to the south
Identification Method:	Remote sensing <input checked="" type="checkbox"/> Field identified <input checked="" type="checkbox"/> Type: CTDEEP Wetland Mapping

**SITE CONDITIONS:**

**DEVELOPED**

Paved <input type="checkbox"/>	Gravel <input type="checkbox"/>	Maintained Lawn <input checked="" type="checkbox"/>
Agriculture <input type="checkbox"/>	Cultivated <input type="checkbox"/>	Hayfield/Pasture <input type="checkbox"/>
Comments: None		

**UNDEVELOPED UPLAND HABITAT**

Forest <input type="checkbox"/>	Scrub/Shrub <input type="checkbox"/>	Field <input type="checkbox"/>
Other: None		
Comments: None		

**SOILS:**

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

**NEAREST WETLAND TYPE:**

**SYSTEM:**

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: Floodplain wetland bordering on perennial stream		

**CLASS:**

Emergent <input type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

**WATERCOURSE TYPE:**

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: White Hollow Brook		
Comments: None		



**Wetland Inspection Field Form (Cont.)**

**SPECIAL AQUATIC HABITAT:**

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

**GENERAL COMMENTS:**

Verizon Wireless is proposing to install two wooden pole small cell facilities as part of a two-site solution at Lime Rock Park in Lakeville, CT, identified as Site #1 – west side of track (30-foot tall wooden pole tower) and Site #2 east side of track (25-foot 3-inch tall pipe mounted to building facade). Utilities would be routed underground from nearby utility poles. Both small cell facilities are located in upland areas adjacent to existing Lime Rock Park facilities: Site #1 is adjacent to the Will Call & Registration building and Site #2 is adjacent to the Outfield Chalet building. Two perennial streams border the race track to the north (Salmon Creek) and to the south (White Hollow Brook), representing the primary wetland resources on the subject property.

Wetland 2 is a forested floodplain wetland bordering on the north side of White Hollow Brook located ±891 feet to the south of Site #1. Due to the significant distance separating the proposed development at Site #1 from this wetland/watercourse resource area, no likely adverse impact to wetlands or White Hollow Brook would be associated with the proposed Verizon Wireless development.

### Wetland Inspection Field Form

Wetlands Identified within Study Area:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Nearest Wetland Resource:	Wetland 3 - 860 feet to the north	
Identification Method:	Remote sensing <input checked="" type="checkbox"/> Type: CTDEEP Wetland Mapping	Field identified <input checked="" type="checkbox"/>

**SITE CONDITIONS:**

**DEVELOPED**

Paved <input type="checkbox"/>	Gravel <input type="checkbox"/>	Maintained Lawn <input checked="" type="checkbox"/>
Agriculture <input type="checkbox"/>	Cultivated <input type="checkbox"/>	Hayfield/Pasture <input type="checkbox"/>
Comments: None		

**UNDEVELOPED UPLAND HABITAT**

Forest <input type="checkbox"/>	Scrub/Shrub <input type="checkbox"/>	Field <input type="checkbox"/>
Other: None		
Comments: None		

**SOILS:**

Are field identified soils consistent with NRCS mapped soils?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
If no, describe field identified soils		

**NEAREST WETLAND TYPE:**

**SYSTEM:**

Estuarine <input type="checkbox"/>	Riverine <input type="checkbox"/>	Palustrine <input checked="" type="checkbox"/>
Lacustrine <input type="checkbox"/>	Marine <input type="checkbox"/>	
Comments: Floodplain wetland bordering on perennial stream		

**CLASS:**

Emergent <input type="checkbox"/>	Scrub-shrub <input type="checkbox"/>	Forested <input checked="" type="checkbox"/>
Open Water <input type="checkbox"/>	Disturbed <input type="checkbox"/>	Wet Meadow <input type="checkbox"/>
Comments: None		

**WATERCOURSE TYPE:**

Perennial <input checked="" type="checkbox"/>	Intermittent <input type="checkbox"/>	Tidal <input type="checkbox"/>
Watercourse Name: Salmon Creek		
Comments: None		

**Wetland Inspection Field Form (Cont.)**

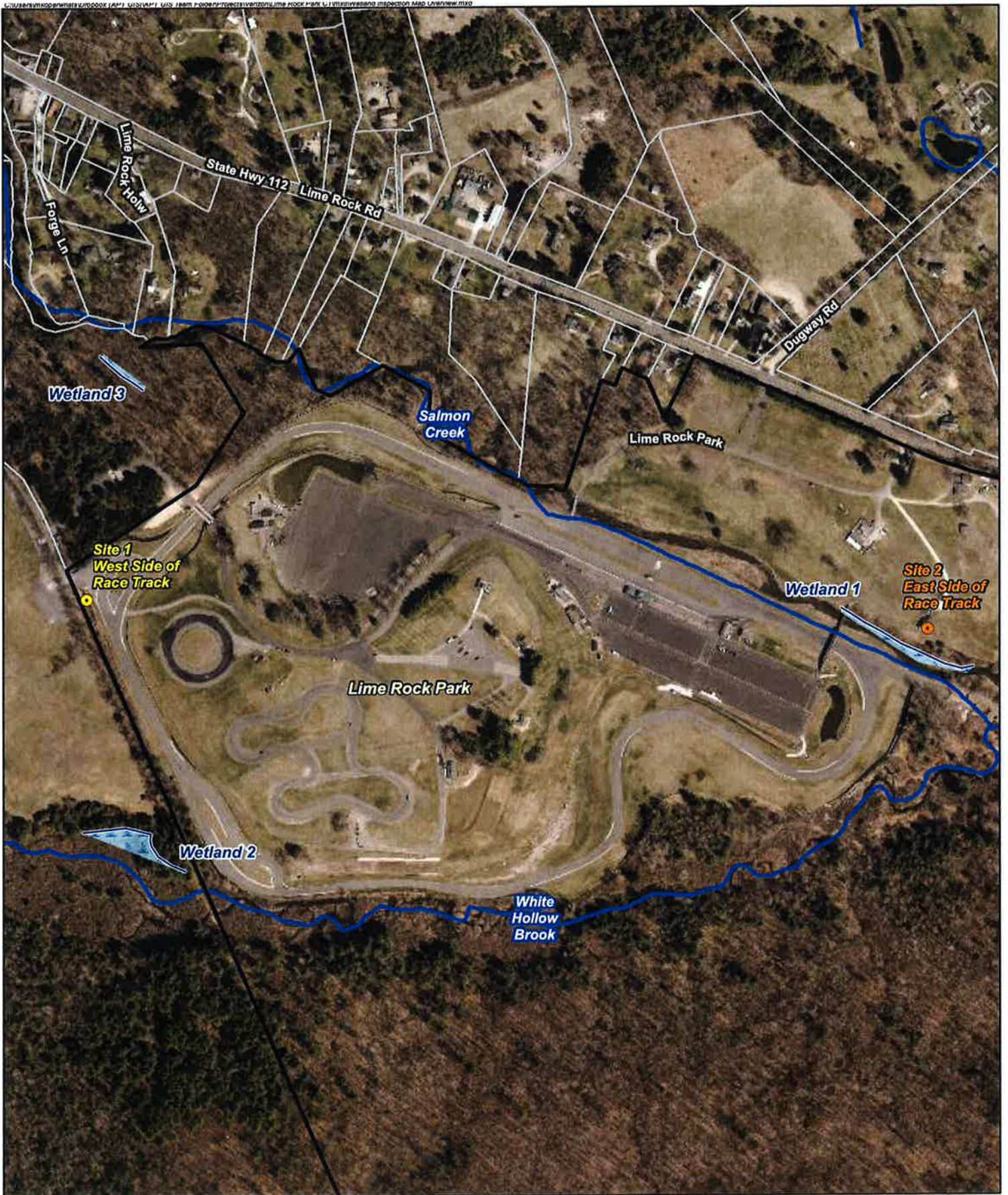
**SPECIAL AQUATIC HABITAT:**

Vernal Pool Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Potential <input type="checkbox"/>	Other <input type="checkbox"/>
Vernal Pool Habitat Type: None	
Comments: None	

**GENERAL COMMENTS:**

Verizon Wireless is proposing to install two wooden pole small cell facilities as part of a two-site solution at Lime Rock Park in Lakeville, CT, identified as Site #1 – west side of track (30-foot tall wooden pole tower) and Site #2 east side of track (25-foot 3-inch tall pipe mounted to building facade). Utilities would be routed underground from nearby utility poles. Both small cell facilities are located in upland areas adjacent to existing Lime Rock Park facilities: Site #1 is adjacent to the Will Call & Registration building and Site #2 is adjacent to the Outfield Chalet building. Two perennial streams border the race track to the north (Salmon Creek) and to the south (White Hollow Brook), representing the primary wetland resources on the subject property.

Wetland 3 is a forested floodplain wetland bordering on the south side of Salmon Creek located ±857 feet to the north of Site #1. Due to the significant distance separating the proposed development at Site #1 from this wetland/watercourse resource area, no likely adverse impact to wetlands or Salmon Creek would be associated with the proposed Verizon Wireless development.



**Legend**

- Proposed Verizon Wireless Sites**
- Site 1 (West Side of Race Track)
- Site 2 (East Side of Race Track)
- Subject Property
- Approximate Parcel Boundary
- Approximate Wetland Area
- Field Confirmed Wetland Boundary
- Watercourse (CTDEEP)

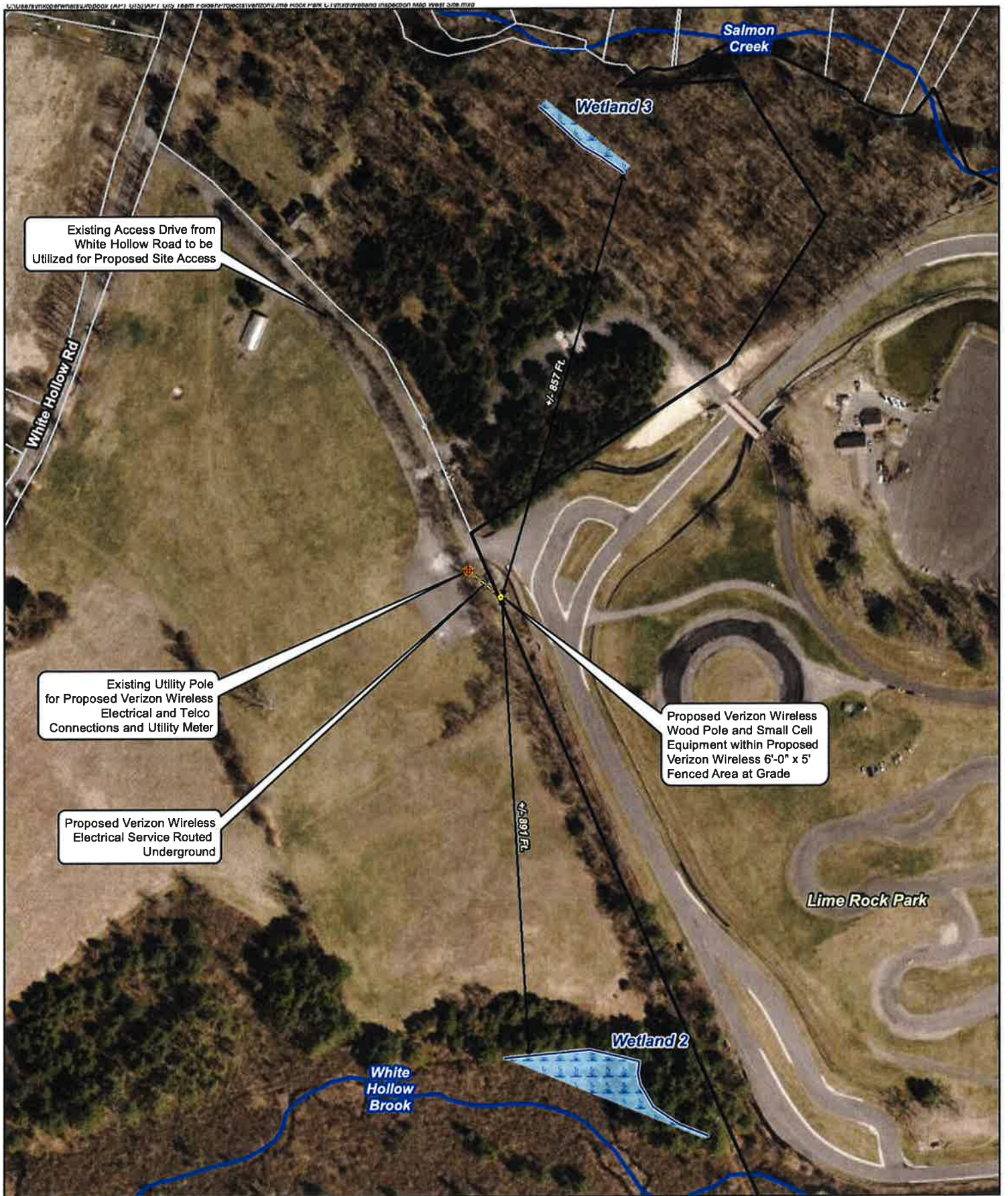
**Map Notes:**  
 Base Map Source: CT ECO 2016 Imagery  
 Map Scale: 1 inch = 500 feet  
 Map Date: September 2017



**Wetland Inspection Map - Overview**

Proposed Wireless  
 Telecommunications Facility  
 Lime Rock Park CT  
 Two-Site Solution  
 60 White Hollow Road  
 Lakeville, Connecticut

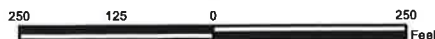




**Legend**

- Proposed Verizon Wireless Equipment
- Proposed Verizon Wireless Fenced Equipment Area
- Proposed Verizon Wireless Underground Telco and Electrical Service
- Existing Utility Pole (By Others)
- Subject Property
- Approximate Parcel Boundary
- Approximate Wetland Area
- Field Confirmed Wetland Boundary
- Watercourse (CTDEEP)

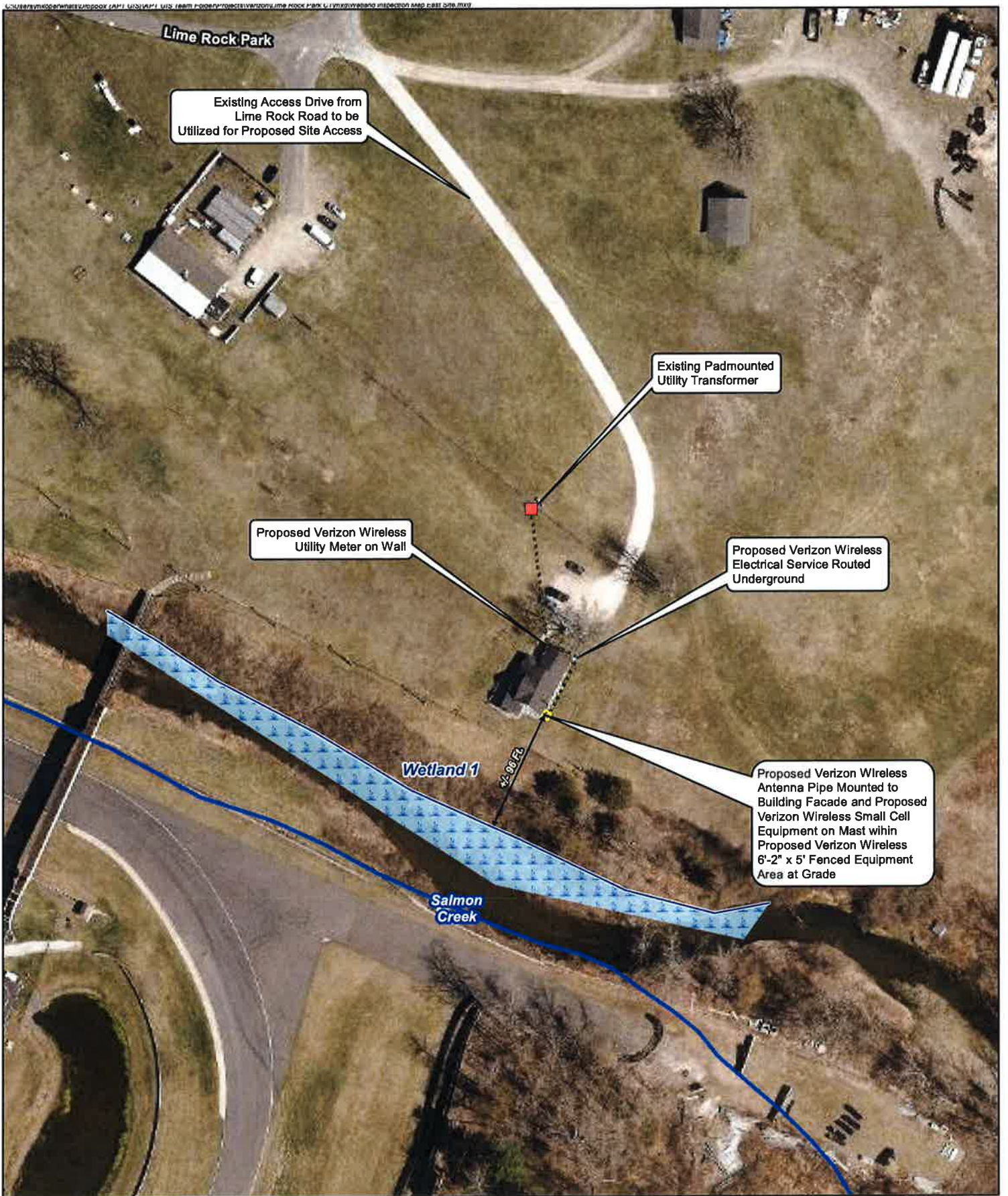
**Map Notes:**  
 Base Map Source: CT ECO 2016 Imagery  
 Map Scale: 1 inch = 250 feet  
 Map Date: September 2017



**Wetland Inspection Map - Site 1**

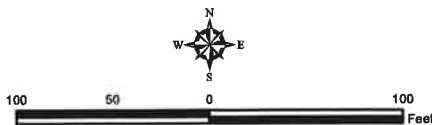
Proposed Wireless Telecommunications Facility  
 Lime Rock Park CT  
 Site 1 - West Side of Race Track  
 60 White Hollow Road  
 Lakeville, Connecticut





- Legend**
- Proposed Verizon Wireless Equipment
  - Proposed Verizon Wireless Underground Electrical Service
  - Proposed Verizon Wireless Fenced Equipment Area
  - Existing Transformer (By Others)
  - Subject Property
  - Approximate Parcel Boundary (CTDEEP GIS)
  - Approximate Wetland Area
  - Field Confirmed Wetland Boundary
  - Watercourse (CTDEEP)

**Map Notes:**  
 Base Map Source: CT ECO 2016 Imagery  
 Map Scale: 1 Inch = 100 feet  
 Map Date: September 2017



**Wetland Inspection Map - Site 2**

Proposed Wireless Telecommunications Facility  
 Lime Rock Park CT  
 Site 2 - East Side of Race Track  
 60 White Hollow Road  
 Lakeville, Connecticut





**On Air Engineering, LLC**

88 Foundry Pond Road  
Cold Spring, NY 10516  
onair@optonline.net

October 30, 2017

Mr. Aleksey Tyurin  
Verizon Wireless  
99 E. River Drive, 9th Fl.  
East Hartford, CT 06108

Re: Lime Rock Park SC2 CT - Structural Assessment Letter  
Lime Rock Park; 497 Lime Rock Rd., Lakeville, CT 06039

Dear Aleksey:

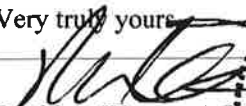
This letter serves as a Structural Assessment for the proposed Cellco Partnership d/b/a Verizon Wireless wireless telecommunication facility at the above referenced location. The proposed facility consists of a small cell antenna mounted atop a new wood pole, and also supporting a remote radio head (RRH) located near the base of the pole. Coaxial cables connecting the radio equipment to the antenna will be attached to the pole exterior.

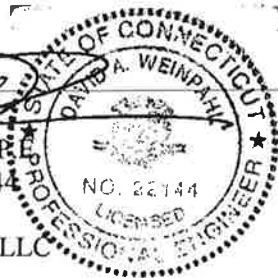
The proposed wood pole will be a Class 2, 35 foot tall (total height) structure designed in accordance with ANSI O5.1-2017 standards "Wood Poles: Specifications and Dimensions". The pole will be embedded in the ground approximately 7 feet with the top of the pole at 28 feet above grade. The top of Cellco's antenna will extend to a height of 30 feet above grade. The pole foundation will be similar to a concrete caisson, to be verified and designed following the completion of a geotechnical survey.

The proposed pole, antenna and radio equipment loads shall be designed in accordance with all applicable design codes to ensure structural stability and safety. This includes the 2016 Connecticut State Building Code, adopted model codes (as amended) and all applicable referenced standards, including TIA-222-G and ANSI O5.1-2017.

Should you have any questions, please do not hesitate to contact our office.

Very truly yours,

  
David A. Weinpahl, P.E.  
CT License No. 22144  
Managing Partner  
On Air Engineering, LLC



DW:dw