STATE OF CONNECTICUT CONNECTICUT SITING COUNCIL

IN RE:

APPLICATION OF HOMELAND TOWERS, LLC AND NEW CINGULAR WIRELESS PCS, LLC d/b/a AT&T FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE, AND OPERATION OF A TELECOMMUNICATIONS FACILITY AT 183 SOUNDVIEW LANE, TOWN OF NEW CANAAN, CONNECTICUT

RESPONSES TO SITING COUNCIL INTERROGATORIES SET ONE

- Q1. Of the letters sent to abutting property owners, how many certified mail receipts were received? If any receipts were not returned, which owners did not receive their notice? Were any additional attempts made to contact those property owners?
- *A1.* All certified mail receipts from abutting property owners were received.
- Q2. Please provide proof of notice to the Western Connecticut Council of Governments.
- A2. Please see the receipt for submission of the Application to the Western Connecticut Council of Governments included in Exhibit 1.
- Q3. Referencing page 7 of Homeland Towers, LLC (Homeland) and New Cingular Wireless PCS, LLC (AT&T) (collectively, the Applicants) Application for a Certificate of Environmental Compatibility and Public Need (Application), it states, "Pursuant to C.G.S. 16-50l (b), notice of the Applicant's intent to submit this application was published on two occasions in The New Canaan Advertiser...The original affidavits of publication will be provided to the Siting Council once received from the publisher." Please provide the affidavits.
- A3. Please see the affidavit of publication for January 30, 2020 and February 6, 2020 included in Exhibit 2 and provided on March 10, 2020.
- Q4. Referencing Tab 2 of the Application, Site Search Summary, Site Alternative O, did Saint Luke's School indicate why it did not wish to pursue a lease with Homeland?
- A4. No. Homeland sent St. Luke's School three letters on January 10th, 12th and February 20th 2018 to see if the school was interested in leasing space for a facility. Homeland did not receive any responses to these letters. The head of St. Luke's School, Mark Davis, expressed strong reservations about the use of the school campus for the proposed facility. At a meeting with school officials on October 15, 2019, Mr. Davis advised Homeland that the school was not interested in leasing space for a facility. However, no specific reason was given.
- Q5. How is the cost of the tower construction recovered?

A5. The cost of tower construction is recovered through rent from tenants that utilize the tower/facility.

Site/tower

- Q6. Would any blasting be required to develop the site?
- A6. Homeland does not anticipate the need for blasting to construct the proposed Facility. Before construction, a geotechnical survey will be performed to evaluate subsurface conditions. If ledge is encountered, chipping is preferred to blasting. If blasting were required, an appropriate protocol would be followed in accordance with state and municipal regulations.
- Q7. Referencing Tab 4 of the Application, Drawing VB102, Note 6, it states, "The project area is in Zone X (unshaded)." Is unshaded Zone X an area outside of both the 100-year and 500-year flood zones?
- *A7.* Yes, the area is outside of the 100 year and 500 year flood zones.
- Q8. Referencing Tab 4 of the Application, Sheet CP-1, the proposed facility would have triple T-arm mounts on the tower. What is the structural design standard applicable to such antenna mounts?
- A8. The structural design standard applicable to the proposed antenna mounts is TIA-222-G-4 "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures."
- Q9. Would the tower and foundation be designed to accommodate an increase in tower height?
- A9. Yes, Homeland will design the tower and foundation to accommodate an increase in tower height.
- *Q10.* What measures are proposed for the site to ensure security and deter vandalism?
- A10. The tower and equipment compound will be completely enclosed by an 8'-tall wood stockade fence with a locked gate. In addition, AT&T's equipment cabinets include silent intrusion alarms. If someone attempts to tamper with or break-in to the equipment cabinet, the technician monitoring the site will be alerted and local police will be contacted.
- Q11. Identify the safety standards and/or codes by which equipment, machinery or technology that would be used or operated at the proposed facility.
- A11. The following safety standards and codes will be used:
 - 2012 International Building Code with the 2016 CT Building Code Amendments
 - National Electric Code (NFPA70)
 - 2005 CT State Fire Safety Code with the 2009 Amendments
 - TIA-222-G-4 "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures"
 - Occupational Safety and Health Administration (OSHA).

- Q12. Does the proposed site contain any Connecticut Prime Farmland and/or Important Agricultural Soils? If so, what acreage of prime farmland and important soils would the facility and associated equipment be located on and what is the total acreages of prime farmland and important soils on the subject property.
- A12. According to publicly available CTDEEP mapping, the facility, equipment and gravel access would encompass areas measuring ± 0.071 -acre (3,105 square feet) of Prime farmland soils and ± 0.025 -acre (1,082 square feet) of statewide Important farmland soils. The total acreages of Prime farmland and statewide Important farmland soils mapped on the subject property include 1.05 and 0.75 acres, respectively. Please see Exhibit 3 for a depiction of these soils.

Coverage/Capacity

- Q13. Page 14 of the Application notes that, "Closing the coverage gaps and providing reliable wireless services in northeastern New Canaan requires a tower site that can provide reliable service over a footprint that spans several hundred square-feet." Under Tab 1 of the Application, Radio Frequency Analysis Report (RF Report), page 5, the Applicants note that the incremental coverage from the proposed facility would be 0.89 square miles and 2.37 square miles for 700 MHz at different signal strengths. (Emphasis added.) Please reconcile.
- A13. The coverage areas provided in the Radio Frequency Analysis Report in Attachment 1 of the Application are the measured approximation of the incremental coverage areas. The information provided on Page 14 of the Application is a general description of the size of the area where reliable wireless services are needed.
- Q14. Referencing Tab 1 of the Application, RF Report, Attachment 2 Neighboring Site Data, identify which sites that the proposed facility would hand off signals with. Indicate the structure types, e.g. tower, building mount.

Site Name	Address	City	Latitude	Longitude	Antenna Height (ft AGL)	Ground Elevation	Structure Type
CT2143	46 Fenwood Lane	Wilton	41.1726	-73.4339	163	367	Lattice Towe r
CT2282	95 Country Club Road	New Canaan	41.1729	-73.4963	89	495	Concealment Pole
CT2841	208 Valley Road	New Canaan	41.1662	-73.4705	86	266	Concealment Pole
CT5057	187 Danbury Road	Wilton	41.1841	-73.4215	72	157	Rooftop
CT5058	289 Danbury Road	Wilton	41.1950	-73.4314	96	177	Power Pole
CT5060	27 Cannon Road	Wilton	41.2137	-73.4275	102	217	Power Pole
NY2145	377 Smith Ridge Road	South Salem	41.2144	-73.5151	140	587	Monopole

A14. The table below includes the structure type for each hand-off site.

- Q15. Would the proposed facility be needed for capacity as well as coverage? Explain.
- A15. The site is primarily intended to provide additional coverage to the objective area, but as with all new sites, it will also enhance capacity.
- Q16. Would AT&T provide service via 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz frequency bands? Are all frequencies used to transmit voice and data?
- A16. Yes, AT&T will provide service via 700 MHz, 850 MHz, 1900 MHz, and 2100 MHz frequency bands. Yes, all frequencies will be used to transmit voice and data.
- Q17. What is the lowest height at which AT&T's antennas could achieve its wireless service objectives from the proposed site?
- A17. Under the terms of Homeland's lease agreement with the property owner, the maximum height of the proposed Facility is the proposed 85' monopine with faux branches extending another 5' in height above the top of the monopine. Thus, while AT&T could provide additional coverage from a taller facility, the height of the proposed Facility is fixed at the proposed height.
- Q18. Referencing Tab 1 of the Application, RF Report, pages 3 and 5, provide tables for the 850 MHz, 1900 MHz, and 2100 MHz frequencies similar to the 700 MHz Tables 1 and 2.
- A18. Please see the tables included in Exhibit 4.
- Q19. Does AT&T have any statistics on dropped calls and/or ineffective attempts in the vicinity of the proposed facility? If so, what do they indicate? Does AT&T have any other indicators of substandard service in this area?
- A19. Yes. AT&T's dropped call data for the neighboring sites NY2145 and CT2282 and the sectors that face directly into the area where reliable service is needed indicate elevated voice and data drops. In addition, data testing indicates that substandard or nonexistent data service is provided within the area identified as a need for this site.
- Q20. What was the approximate size of the Applicants' search area in the vicinity of the proposed site?
- A20. Homeland's site search area was approximately a ³/₄ mile radius from the proposed site.
- Q21. Have any other wireless carriers expressed an interest in co-locating on the proposed facility to date? Has the host municipality expressed an interest in co-locating emergency services antennas?
- A21. Another wireless carrier verbally expressed interest to Homeland in collocating on the proposed Facility. At the present time, the host municipality has not expressed an interest in collocating emergency service antennas.

Backup power

Q22. Would the backup generator have containment measures to protect against fluid leakage?

- A22. Yes. The emergency back-up generator's fuel tank is double-walled and includes leak detection alarms. The alarms are monitored 24 hours a day/7 days a week. The generator is also equipped with a secondary containment for engine oil and coolant within the generator's weather enclosure. The generator is placed within a containment pit with a capacity larger than the tank capacity. Thus, in the unlikely event of a tank rupture, the containment pit will ensure that no fuel or fluids leak outside of the containment pit area.
- Q23. Could the proposed generator be shared by other carriers that may locate at the proposed facility? What effect would a shared generator have on the run time of the generator if at full load?
- A23. AT&T's proposed back-up emergency generator is sized for AT&T's use only. With respect to a shared generator, AT&T refers the Council to its 432 Docket Findings and Report.
- Q24. Would a battery backup (if applicable) be used to provide uninterrupted power and prevent a reboot condition? How long could the battery backup alone supply power to the facility in the event that the generator fails to start?
- A24. Yes, battery backup is always available. However, battery backup alone can supply power for only 6-8 hours.
- Q25. Would the backup generator run periodically for maintenance purposes? If so, at what frequency and duration? Would this be scheduled for daytime hours?
- A25. Yes, the emergency back-up generator would be periodically tested for maintenance purposes. These maintenance tests can be pre-scheduled and programmed by AT&T. Typically, emergency generator testing is scheduled once a week, during the week (Tuesday-Friday) during regular business hours. Maintenance testing usually lasts about 30 minutes with 5 minutes for warm-up; 20 minutes for testing; and 5 minutes of cool-down.
- Q26. Would the backup generator be managed to comply with Regulations of Connecticut State Agencies Section 22a-174-3b?
- A26. Yes. The back-up emergency generator will comply with the "permit by rule" criteria pursuant to R.C.S.A. Section 22a-174-3b.

Public Safety

- Q27. Will the proposed facility support text-to-911 service? Is additional equipment required for this purpose?
- A27. Yes, the proposed Facility will support with text-to-911 service and no additional equipment is required.
- Q28. Would AT&T's installation comply with the intent of the Warning, Alert and Response Network Act of 2006?

A28. Yes. AT&T will send alerts from the proposed Facility pursuant to the Warning, Alert and Response Network Act of 2006.

Environment

- Q29. Referencing page 17 of the Application and Tab 8 Visual Assessment, Conclusions, the Applicants note that the approximately 25 acres of predicted year-round views of the facility from John D. Milne Lake is about 55 percent of the total year-round predicted visibility. However, the Viewshed Analysis Map notes that the total predicted year-round visibility area is approximately 35 acres. Thus, would the predicted year-round visibility over John D. Milne Lake comprise roughly 71 percent of total predicted year-round visibility?
- A29. The Conclusions in Attachment 8 include a typographical error. As noted above, the year-round visibility from John D. Milne Lake represents approximately 71% of total year-round predicted visibility (± 25 of ± 35 acres) within the Study Area. Visibility over the Lake comprises $\pm 55\%$ of the combined year-round and seasonal predicted visibility (± 25 of ± 45 acres acres). Apologies for any confusion caused by the typographical error.
- Q30. What, if any, other stealth tower design options would be feasible to employ at this site? Please provide applicability and costs related to each stealth tower design.
- A30. While there are a number of stealth designs available in the market, the use of a flagless flagpole may be the only other appropriate design at this site. It is important to note that flag pole designs are not preferred by wireless carriers as they present network coverage challenges due to the space limitations that hinder the ability to "tilt" antennas and install full arrays. In addition, flag pole designs require taller facilities to accommodate antenna stacking within the space limitations caused by internally mounted antennas. Thus, a flag pole design is not feasible for the proposed Facility given the maximum height limitations of the lease agreement with the property owner. The cost to develop a flagpole at this site would be approximately \$50,000 less than the proposed monopine stealth design.
- Q31. Referencing page 19 of the Application, the Applicants note, "Furthermore, the proposed Facility will neither create nor emit any...noise...other than those created by any heating and ventilation equipment or generators installed by carriers." Would the proposed facility comply with Department of Energy and Environmental Protection (DEEP) Noise Control Standards at the property boundaries?
- A31. Homeland anticipates that the HVAC equipment will comply with the DEEP Noise Control Standards at the property boundaries. A noise analysis is being conducted and will be forwarded when complete.
- Q32. While the proposed backup generator would be exempt from DEEP Noise Control Standards, estimate the projected sound levels at the abutting property lines taking into account the proposed sound attenuation blankets noted on Sheet C-1 under Tab 4 of the Application. Would the sound attenuation blankets be located inside the proposed fence compound for aesthetics?
- A32. The sound attenuation blankets will be located inside the proposed wooden shadowbox fencing and will not be visible from the exterior of the compound.

- Q33. Have the Applicants received a response from the State Historic Preservation Office regarding the Phase 1B Report?
- *A33.* Yes, please see the State Historic Preservation Office response included in Exhibit 5.

CERTIFICATE OF SERVICE

I hereby certify that on this day the foregoing was sent electronically to the Connecticut Siting Council, in accordance with Connecticut Siting Council directives to waive hard copy filing requirements to prevent the spread of the coronavirus.

March 27, 2020

Lucie Chrocchio

Lucia Chiocchio Cuddy & Feder LLP 445 Hamilton Ave,14th Floor White Plains, NY 10601 (914)-761-1300 Attorneys for the Applicants





445 Hamilton Avenue, 14th Floor White Plains, New York 10601 T 914 761 1300 F 914 761 5372 cuddyfeder.com

Lucia Chiocchio lchiocchio@cuddyfeder.com

March 10, 2020

VIA E-MAIL AND OVERNIGHT DELIVERY

Connecticut Siting Council Melanie A. Bachman Executive Director 10 Franklin Square New Britain, Connecticut 06051

Re: Docket No. 487 Homeland Towers, LLC and New Cingular Wireless PCS LLC ("AT&T") Proposed Wireless Telecommunications Tower Facility 183 Soundview Lane, New Canaan, Connecticut

Dear Executive Director Bachman:

On behalf of Homeland Towers, LLC and New Cingular Wireless PCS LLC, and in connection with the above referenced Certificate Application, we enclose the newspaper publisher's Affidavits of Publication of the Legal Notice published in the <u>New Canaan Advertiser</u> newspaper on two insertion dates of January 30, 2020 and February 6, 2020 in accordance with State statute.

Please incorporate the enclosed as part of the official record of the proceeding. Thank you.

Very truly yours, "his cchio

Lucia Chiocchio

Enclosures cc: Service List Homeland Towers, LLC AT&T

HEARST CONNECTICUT

CONNECTICUT POST | THE NEWS-TIMES | THE ADVOCATE | The Mouth | GREENWICH TIME Darien News | Fairfield Citizen | New Canaan News | The Spectrum | Westport News | Wilton Villager

CUDDY & FEDER LLP 445 HAMILTON AVENUE ATTYS AT LAW WHITE PLAINS NY 106015196

AFFIDAVIT OF PUBLICATION

STATE OF CONNECTICUT COUNTY OF FAIRFIELD

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Being duly and sworn, depose say Ι the that am Representative in a employ of HEARST CONNECTICUT MEDIA GROUP, Publisher of the New Canaan Advertiser, that a LEGAL NOTICE as stated below was published in the New Canaan Advertiser.

Subscribed and sworn to before me on this 6th Day of February, A.D. 2020.

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Publication New Canaan Advertiser Ad Number 0002535072-01

Publication Schedule 1/30/2020, 2/ 6/2020



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STATE OF CONNECTICUT

	NOTICE	NII OF	FAIRFIELD
NOTICE IS HERBY GIVEN, pr cut General Statutes, as amen tions of Connecticut State Age Towers, LLC ("Homeland Tow ("AT&T") (together the "Applica Environmental Compatibility an Council ("Siting Council") on of telecommunications tower faci Town of New Canaan.	ursuant to Section 16-50g et seq. of the Connecti- ided, and Section 16-50j-1 et seq. of the Regula- incies, as amended, of the intent of Homeland ers") and New Cingular Wireless PCS, LLC ants") to file an Application for a Certificate of ind Public Need with the Connecticut Siting r after February 6, 2020 to construct a wireless lity ("Facility") at 183 Soundview Lane in the	sworn, a Repro IEARST her of	depose and say esentative in the CONNECTICUT MEDIA the New Canaan LEGAL NOTICE as
The Facility is proposed on a 4 Marina O. Richey identified as Canaan Tax Map and includes northwestern section of the pa	I.05-acre parcel of land owned by Keith S. and Map 40, Block 105, Lot 74 on the Town of New an approximately 2,310 s.f. lease area in the rcel.	was ertiser.	published in the
The Facility consists of a new a pine tree ("monopine") that is additional 5' above the top of t mately 90'. The monopine tow fenced equipment compound a led at a centerline height of 81 designed to support the antenuless carriers as well as local er	self-supporting monopole designed to resemble s 85' in height with faux branches extending an he pole, bringing the total height to approxi- er will be located within a 1,763 square-foot at grade level. AT&T's antennas would be instal- ' on the monopine tower and the Facility will be nas and equipment of other FCC licensed wire- mergency communications equipment.	sworn t f Februa ry Publi	ary, A.D. 2020.
The Application explains the new so describes the environmentation	eed, purpose and benefits of the Facility and al- I impacts of the proposed Facility.	expires	on
A balloon, representative of the the proposed location on the fi the Application, or on such oth to be determined by the Siting hours of 12pm and 5pm. The S will be held in the Town of New	e proposed height of the facility, will be flown at rst day of the Siting Council public hearing on er day specified by the Siting Council at a time Council, but anticipated to be between the Siting Council public hearing on the Application v Canaan.		Ad Caption NOTICE NOTICE IS HERBY G
Interested parties and residents of New Canaan, Connecticut are invited to re- view the Application during normal business hours after February 6, 2020 when the Application is anticipated to be filed, at the following offices:			0002535072-01
Connecticut Siting Council 10 Franklin Square New Britain, CT 06051	Claudia A. Weber, CMC Town Clerk & Registrar of Vital Statistics Town of New Canaan 77 Man Street, 1st Floor New Canaan, CT 06840		
Or the offices of the undersign Connecticut Siting Council or t	ed. All inquiries should be addressed to the o the undersigned:		
	Lucia Chiocchio, Esq. Guddy & Feder LLC 445 Hamilton Ave, 14th Floor White Plains, NY 10601 (914) 761-1300		



Coverage Tables for the 850, 1900 and 2100 MHz Frequencies

	Incremental Coverage fr Proposed Site (850 MH	om z)
Population:1	(≥ -83 dBm)	249
	(≥ -93 dBm)	840
Pusinosa Danas ²	(≥ -83 dBm)	58
Business Pops: ²	(≥ -93 dBm)	132
A #00 (mi2):	(≥ -83 dBm)	0.60
Alea (III-):	(≥ -93 dBm)	1.86
	Main (-93 dBm):	0.5
Roadway (mi):	Secondary (-93 dBm):	8.1
	Total (-93 dBm):	8.6

¹ Population figures are based upon 2010 US Census Block Data ² Employee population counts are based upon the 2011 U.S. Census Bureau LEHD database.

	Incremental Coverage from Proposed Site (1900 MHz)		
Dopulation	(≥ -86 dBm)	128	
ropulation.	(≥ -96 dBm)	471	
	r		
Business Pops: ⁴	(≥ -86 dBm)	43	
	(≥ -96 dBm)	96	
A	(≥ -86 dBm)	0.33	
Area (mi ²):	(≥ -96 dBm)	1.13	
	Main (-96 dBm):	0.1	
Roadway (mi):	Secondary (-96 dBm):	4.7	
	Total (-96 dBm):	4.8	

 ³ Population figures are based upon 2010 US Census Block Data
 ⁴ Employee population counts are based upon the 2011 U.S. Census Bureau LEHD database.

	Incremental Coverage from Proposed Site (2100 MHz)		
B opulation 5	(≥ -86 dBm)	77	
r opulation.º	(≥ -96 dBm)	318	
Business Pops: 6	(≥ -86 dBm)	32	
	(≥ -96 dBm)	72	
A rea (m;2).	(≥ -86 dBm)	0.21	
Area (IIII-):	(≥ -96 dBm)	0.78	
	Main (-96 dBm):	0.0	
Roadway (mi):	Secondary (-96 dBm):	3.4	
	Total (-96 dBm):	3.4	

 ⁵ Population figures are based upon 2010 US Census Block Data
 ⁶ Employee population counts are based upon the 2011 U.S. Census Bureau LEHD database.

Connecticut

Department of Economic and Community Development

State Historic Preservation Office

January 21, 2020

Mr. Brian Gaudet Project Manager All Points Technology Corp 567 Vauxhall Street Extension, Suite 311 Waterford, CT 06320

> Subject: Phase IB Cultural Resource Reconnaissance Survey Proposed Wireless Telecommunications Facility 183 Soundview Lane New Canaan, CT Homeland Towers, LLC ENV-20-0368

Dear Mr. Gaudet:

The State Historic Preservation Office (SHPO) has reviewed the information submitted by All Points Technology Corp. (All Points) dated December 2019. The proposed activities are subject to review by this office pursuant to the National Historic Preservation Act and in accordance with Federal Communications Commission regulations. SHPO understands that the proposed undertaking includes the installation of a 90 foot tall "monopine" within a 23.5 foot by 75 foot chain-link equipment compound, located in the northern portion of the Subject Property. A 12, foot wide gravel access drive is proposed to lead from the compound west to Soundview Lane, measuring approximately 140 feet. Utilities would be routed from an existing electrical vault on the property.

No previously identified archaeological sites are located within 0.5 miles of the project area. Three properties listed or determined eligible for listing on the National Register of Historic Places are located within 0.5 miles of the project area: the John Black Lee House (NR# 10000568), the Charles and Peggy Murphy House (NR# 10000563) and the Landis Gores House (NR# 02000189); however, they will not be impacted by the proposed undertaking. One property, the Town Farm/Poor Farm, located at 485 and 500 Laurel Road, does appear potentially eligible for listing on the National Register under Criterion A for its association as an intact, municipally-owned farm for the community's indigent in the 19th and early 20th century. However, it will not be adversely impacted by the undertaking due to distance and intervening foliage.

Phase IB of the reconnaissance survey consisted of subsurface testing of areas that would be subject to ground disturbing impacts as part of the proposed undertaking. A total of 14 of 14

State Historic Preservation Office

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Department of Economic and Community Development

State Historic Preservation Office

planned shovel tests were excavated successfully throughout the proposed work area. Of the 14 shovel tests, none yielded cultural material from either historic or prehistoric periods.

Therefore, based on the information provided to our office, SHPO concurs with the findings of the cultural resources review that no additional archaeological investigations are recommended. However, this office does recommend the following conditions be adhered to in order to minimize visual effects to resources within the APE-VE:

- 1. The antennas, RRUs, mounts, and associated equipment will be designed, painted to match adjacent materials, and installed to be as non-visible as possible, and
- 2. if not in use for six consecutive months, the monopole, mounts, antennas, and equipment shall be removed by the telecommunications facility owner. This removal shall occur within 90 days of the end of such six-month period.

Contingent on the undertaking following the alternative described above, the undertaking will have a <u>conditional no adverse effect</u> to historic resources.

Additionally, SHPO recommends that a monopole be used for a collocation structure, rather than a monopine, as it has been this office's experience that monopines do not add to any additional minimization of visual effects, and are, in some instances, more visually obtrusive than monopoles.

The State Historic Preservation Office appreciates the opportunity to review and comment upon this project. These comments are provided in accordance with the Connecticut Environmental Policy Act and Section 106 of the National Historic Preservation Act. For further information please contact Marena Wisniewski, Environmental Reviewer, at (860) 500-2357 or marena.wisniewski@ct.gov.

Sincerely,

Mary B. Dunne State Historic Preservation Officer

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