

Environmental Assessment

Old Cross Mills Fire Station Property

For a copy please refer to :

www.charlestownri.gov

or

www.charlestownfd.org



**U.S. Department of Housing and Urban
Development**

451 Seventh Street, SW
Washington, DC 20410
www.hud.gov

espanol.hud.gov

Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

This is a suggested format that may be used by Responsible Entities to document completion of an Environmental Assessment.

Project Information

Project Name: Old Cross Mills Fire Department Station Redevelopment as Community Park

Responsible Entity: Town of Charlestown

Grant Recipient (if different than Responsible Entity): Charlestown Fire District

State/Local Identifier:

Preparer: Peter Friedrichs, Policastro Group

Certifying Officer Name and Title: Jeffrey Allen, Town Administrator

Grant Recipient (if different than Responsible Entity): Charlestown Fire District

Consultant (if applicable): Policastro Group

Direct Comments to: Bianca Policastro, Policastro Group, bpolicastrogroup@gmail.com

Project Location: 2370 Matunuck School House Rd. Charlestown, RI 02813 Plat 12 Lot 7

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The Old Cross Mills Fire Station will be demolished and the site will be converted to a public park.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The Charlestown Fire District moved operations from this outmoded facility several years ago and the Old Cross Mills Fire Station has become obsolete. An assessment of the facility determined that should be demolished and a planning report identified a community park as the best use for the site. Provided funds will assist with the completion of this project.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The site is currently an environmental hazard. The building is not weathertight and is uninhabitable. Much of the site is paved and contributes environmental degradation into abutting Perry Pond and nearby tidal Ninigret Pond.

Funding Information

Grant Number	HUD Program	Funding Amount
B-23-CP-RI-1358	14.251	\$610,000.00

Estimated Total HUD Funded Amount: \$610,000.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]:

\$732,000.00

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of

approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No portion of the Town of Charlestown is located within 2,500 feet of the end of a civil runway or 15,000 feet of the end of a military runway. The closest runway to the site, Westerly Airport runway, is located more than 8 miles west of the project location, as shown on the attached environmental review plan ("Exhibit A").
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The site is not located within a Coastal Barrier Resource Area according to the Coastal Barrier Resource System Mapper accessed on 4/14/24 ("Exhibit B").
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	According to FEMA Flood Map 440009C0169K, revised on April 3, 2020 (included within supporting documentation as "Exhibit C"), a portion of the property is located within Zone X, 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile; as such, flood insurance is not anticipated to be required.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The project is not new construction or conversion that may result in a significant increase in air pollutants. Please see the project description regarding the physical impact of the project.

<p>Coastal Zone Management</p> <p>Coastal Zone Management Act, sections 307(c) & (d)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The site is identified as “Developed Beyond Carrying Capacity” by the RI Coastal Resource Management Council (CRMC), as shown on the attached, “(Exhibit D),” but is not an activity requiring consultation with the CRMC.</p>
<p>Contamination and Toxic Substances</p> <p>24 CFR Part 50.3(i) & 58.5(i)(2)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no properties on the NPL list in Charlestown “(Exhibit E)”. There are no active solid waste or landfill sites in Charlestown. No underground storage tank or toxic chemicals or radioactive materials are expected at the site.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The site is not located in an area of critical habit or habitat for threatened, proposed endangered, or endangered species (“Exhibit E”).</p>
<p>Explosive and Flammable Hazards</p> <p>24 CFR Part 51 Subpart C</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There is one above-ground storage tank exceeding 100 gallons capacity storing hazardous substances within one mile of the site, but exceeds the acceptable safety distance (“Exhibit F”).</p>
<p>Farmlands Protection</p> <p>Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The site is designated “Additional Land of Statewide Importance,” due to its good combination of physical and chemical characteristics for growing crops, but is not designated “Prime Farmland.” Based on the Soil NRCS SSURGO 2022 data layer viewed via the RIDEM online Environment Resource Map on 4/24/2024, the soil beneath the site is not best suited for agricultural use (“Exhibit G”).</p>
<p>Floodplain Management</p> <p>Executive Order 11988, particularly section 2(a); 24 CFR Part 55</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>According to FEME Flood Map Flood Panel 44009C0169K., revised September 18, 2019 (included within supporting documentation as “Exhibit C”), a portion of the property is located within Zone X, 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Depaving of the site will reduce localized flooding. The design of the park will allow for inundation without significant adverse effect to improvements.</p>

<p>Historic Preservation</p> <p>National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>Correspondence received from the Rhode Island Historical Preservation & Heritage Commission (RIHPHC) indicates the site is not considered a historic property and that this alteration will have no effect on any historic properties. The Commission has no objection to this alteration (“Exhibit H”).</p>
<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>This project does not involve a noise sensitive use, per the project description.</p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project is not located on the Pawcatuck a sole-source aquifer (“Exhibit I”).</p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The site is identified as “Developed Beyond Carrying Capacity” by the RI Coastal Resource Management Council (CRMC), as shown on the attached, “(Exhibit D),” but is not an activity requiring consultation with the CRMC.</p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>There are no Wild and Scenic Rivers south of Route 1 in Charlestown (“Exhibit J”).</p>
<p>ENVIRONMENTAL JUSTICE</p>		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/></p>	<p>The project will not affect operations of the Charlestown Fire District, as the site is no longer in use. The removal of the blighted building and conversion of the site to a community park will provide environmental benefits to nearby low- and moderate-income residents at Church Woods Apartments.</p>

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source

documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits or approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	1	The demolition of the dilapidated Old Cross Mills Fire Station and creation of a community park will enhance the village in accordance with the Charlestown Comprehensive Plan.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	1	The replacement of untreated impervious surface area with pervious landscaped park will enhance soil and reduce runoff.
Hazards and Nuisances including Site Safety and Noise	1	The park will be designed to promote safety, a vast improvement over existing abandoned conditions.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	The project will likely improve local employee and resident wellbeing by giving them access to the outdoors.
Demographic Character Changes, Displacement	1	The park will make Cross Mills a more attractive place to live, in line with town efforts to increase the village's LMI population.
Environmental Justice	1	This will created green space in the vicinity of LMI housing.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	1	The park will provide space for community educational and cultural events.
Commercial Facilities	1	The park will provide an amenity for those working at or visiting area commercial facilities.
Health Care and Social Services	1	The park will provide an area for residents and visitors to exercise and enjoy the outdoors.
Solid Waste Disposal / Recycling	2	This site is not used for solid waste disposal.
Waste Water / Sanitary Sewers	1	Stormwater quantity will be reduced and quality will be enhanced.
Water Supply	2	Care will be taken to minimize onsite water supply consumption. Depaving will improve infiltration for this well-serviced area.
Public Safety - Police, Fire and Emergency Medical	1	Demolition of the existing building will remove an attraction of unsafe behavior.
Parks, Open Space and Recreation	1	This will create a new park.
Transportation and Accessibility	1	The park will be constructed to ADA standards.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	1	The park will be constructed in a manner to protect nearby water resources.
Vegetation, Wildlife	1	The park will provide native vegetation and habitat for wildlife.
Other Factors		

Environmental Assessment Factor	Impact Code	Impact Evaluation
CLIMATE AND ENERGY		
Climate Change Impacts	1	The replacement of the building and parking lot with a park will reduce heat island effect in the vicinity.
Energy Efficiency	1	Any fixtures installed in the park will be energy efficient.

Additional Studies Performed: N/A

Field Inspection (Date and completed by): Peter Friedrichs, May 2, 2024.

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]: RIHPHC

List of Permits Obtained:

Public Outreach [24 CFR 50.23 & 58.43]: Public outreach shall be conducted in accordance with federal regulations upon determination of this project.

Cumulative Impact Analysis [24 CFR 58.32]: This is the analysis of all intended aspects of the creation of a new park in this location.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9] This project is expected to be an overall benefit to the environment and it is infeasible to think of serious alternatives.

No Action Alternative [24 CFR 58.40(e)]: No action would cause environmental harm, as the existing building degrades and stormwater runoff continues from the site untreated.

Summary of Findings and Conclusions:

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Water supply	Limit water supply consumption in park operation
Energy consumption	Limit energy consumption in park operation

Determination:

Finding of No Significant Impact [24 CFR 58.40(g)(1); 40 CFR 1508.27]
The project will not result in a significant impact on the quality of the human environment.

Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27]
The project may significantly affect the quality of the human environment.

Preparer Signature:  Date: 11/3/25

Name/Title/Organization: Peter Friedrichs
Associate, Policastro Group

Certifying Officer Signature:  Date: 1/15/2026

Name/Title: Jeffrey Allen, Town Administrator

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Exhibit A

Airport Hazards

Google Maps

2370 Matunuck School House Rd
distance to Westerly Airport

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Imagery ©2024 TerraMetrics, Map data ©2024 Google 2 mi



2370 Matunuck School House Rd Building



Directions



Save



Nearby



Send to
phone



Share



2370 Matunuck School House Rd, Charlestown, RI
02813

Photos

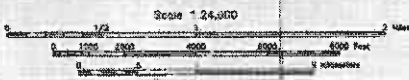
Measure distance
Total distance: 8.52 mi (13.71 km)

Exhibit B
Coastal Barrier
Resources



This map has been produced by the U.S. Fish and Wildlife Service from a set of maps adopted by Congress pursuant to the Coastal Barrier Improvement Act P.L. 101-681 and supersedes all previous maps prepared by the Service concerning undeveloped coastal barriers. The boundary delineation of this map is identical to that adopted by Congress. The boundary delineation of this map has been amended pursuant to Section 4(a) of P.L. 101-681.

COASTAL BARRIER RESOURCES SYSTEM
EAST BEACH UNIT D06/D06P
QUONONCHONTAUG BEACH UNIT D08



Solid lines depict units in the CBRS.

Dotted lines depict "otherwise protected areas" not within the CBRS. These areas are shown with the letter "P" following the unit number.

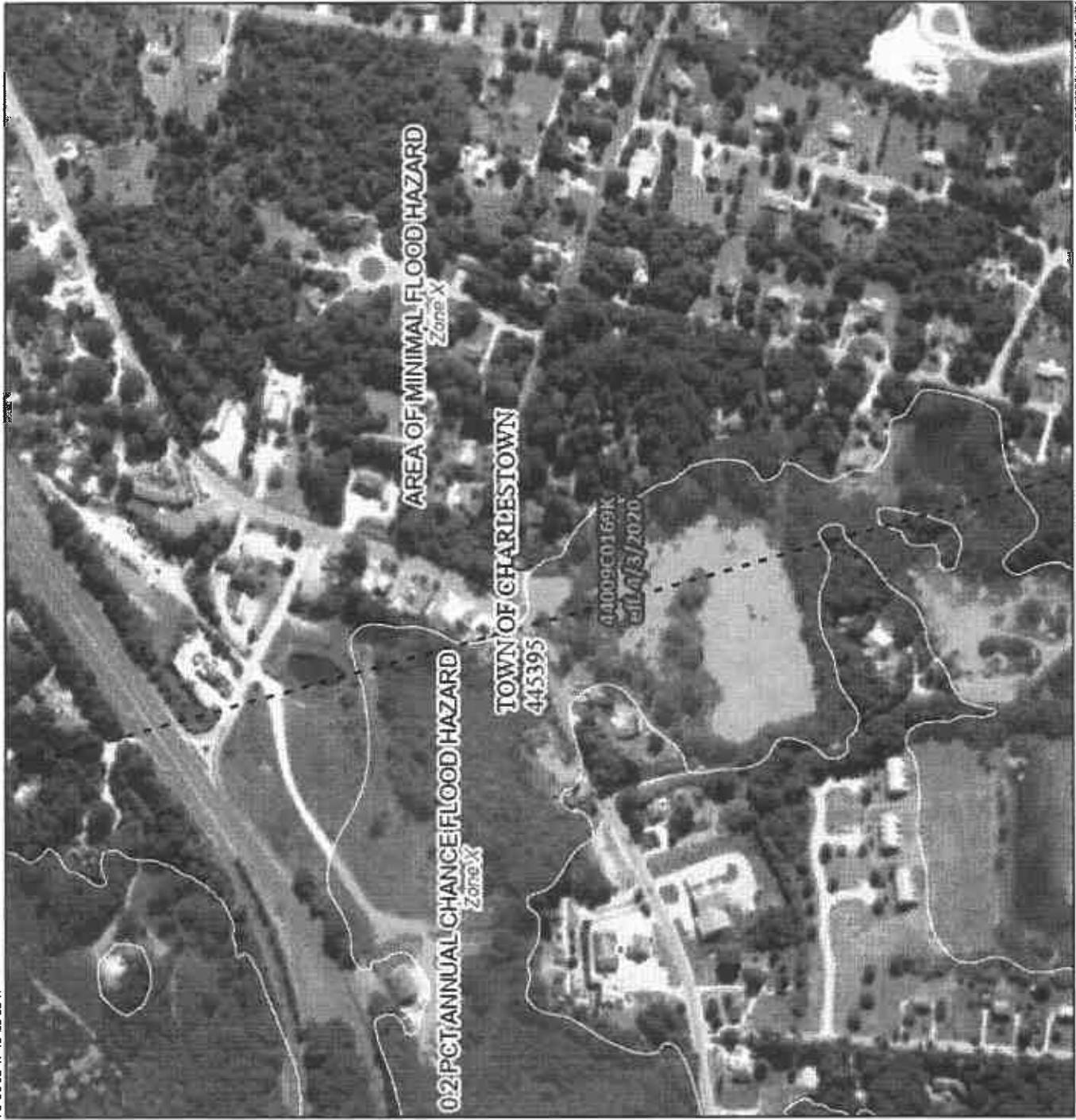
October 24, 1990
 Revised October 10, 1992

Exhibit C
FEMA Firmette

National Flood Hazard Layer FIRMette



71°38'12"W 41°23'12"N



71°37'35"W 41°22'45"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone X, Y, AP
- With BFE or Depth 2019 AE, AO, AI, VE, AF
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard. Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile. Zone X
- Future Conditions 1% Annual Chance Flood Hazard. Zone X
- Area with Reduced Flood Risk due to Levee. See Notes. Zone X
- Area with Flood Risk due to Levee. Zone D

OTHER AREAS

- NO SCREEN Area of Minimal Flood Hazard. Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard. Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- 20.2 Cross Sections With 1% Annual Chance Water Surface Elevation
- 17.5 Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/16/2024 at 10:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Exhibit D
CRMC SAMP



Exhibit E

PL List

Puerto Rico (19 sites)						
Site Name	City	Site EPA ID	Listing Date	Site Score	Federal Facility Indicator	Additional Information
Upjohn Facility	Barceloneta	PRD980301154	09/21/1984	41.92	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/0 Site Progress Profile Federal Register Notice (PDF) <https://semsub.epa.gov/src/document/1 (22 pp, 177 K)
Vega Alta Public Supply Wells	Vega Alta	PRD980763775	09/21/1984	42.24	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/0 Site Progress Profile Federal Register Notice (PDF) <https://semsub.epa.gov/src/document/1 (22 pp, 177 K)
Vega Baja Solid Waste Disposal	Rio Abajo Ward	PRD980512669	07/22/1999	50.37	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/0 Site Progress Profile Federal Register Notice (PDF) <input checked="" type="checkbox"/> <http://www.gpo.gov/fdsys/pkg/fr-1999-0722/pdf/99-18602.pdf> (8 pp, 183 K)

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Rhode Island (12 sites)						
Site Name	City	Site EPA ID	Listing Date	Site Score	Federal Facility Indicator	Additional Information
Central Landfill	Johnston	RID980520183	06/10/1986	46.71	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/0 Site Progress Profile Federal Register Notice (PDF) <https://semsub.epa.gov/src/document/1 (34 pp, 369 K)
Centredale Manor Restoration Project	North Providence	RID981203755	02/04/2000	70.71	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semsub.epa.gov/src/document/0 Site Progress Profile Federal Register Notice (PDF) <input type="checkbox"/> <http://www.gpo.gov/fdsys/pkg/fr-2000-0204/pdf/00-0247a.pdf> (8 pp, 271 K)

Rhode Island (12 sites)						
Site Name	City	Site EPA ID	Listing Date	Site Score	Federal Facility Indicator	Additional Information
Davis Liquid Waste	Smithfield	RID980523070	09/08/1983	47.25	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/documei Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/documei (36 pp, 441 K)
Davisville Naval Construction Battalion Center	North Kingstown	RI6170022036	11/21/1989	34.52	Yes	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/documei Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/documei (10 pp, 125 K)
Landfill & Resource Recovery, Inc. (L&RR)	North Smithfield	RID093212439	09/08/1983	49.58	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/documei Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/documei (36 pp, 441 K)
Newport Naval Education/Training Center	Newport	RI6170085470	11/21/1989	32.25	Yes	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/documei Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/documei (10 pp, 125 K)
Peterson/Puritan, Inc.	Cumberland, Lincoln	RID055176283	09/08/1983	40.10	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/documei Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/documei (36 pp, 441 K)
Picillo Farm	Coventry	RID980579056	09/08/1983		No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/documei Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/documei (36 pp, 441 K)

Rhode Island (12 sites)						
Site Name	City	Site EPA ID	Listing Date	Site Score	Federal Facility Indicator	Additional Information
Rose Hill Regional Landfill	South Kingstown	RID980521025	10/04/1989	38.11	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/ Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/document/ (19 pp, 302 K)
Stamina Mills, Inc.	North Smithfield	RID980731442	09/08/1983	34.07	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/ Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/document/ (36 pp, 441 K)
West Kingston Town Dump/URI Disposal Area	South Kingstown	RID981063993	10/14/1992	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/ Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/document/ (15 pp, 185 K)
Western Sand & Gravel	Burrillville	RID009764929	09/08/1983	51.35	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/ Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/document/ (36 pp, 441 K)

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South Carolina (28 sites)						
Site Name	City	Site EPA ID	Listing Date	Site Score	Federal Facility Indicator	Additional Information
Aqua-Tech Environmental Inc. (Groce Laboratories)	Greer	SCD058754789	12/16/1994	50.00	No	<ul style="list-style-type: none"> Site Listing Narrative <https://semspub.epa.gov/src/document/0/ Site Progress Profile Federal Register Notice (PDF) <https://semspub.epa.gov/src/document/1/ (13 pp, 100 K)

Exhibit F
Hazardous Tool

Home (/) > Programs (/programs/) > Environmental Review (/programs/environmental-review/) > ASD Calculator

Acceptable Separation Distance (ASD) Electronic Assessment Tool

The Environmental Planning Division (EPD) has developed an electronic-based assessment tool that calculates the Acceptable Separation Distance (ASD) from stationary hazards. The ASD is the distance from above ground stationary containerized hazards of an explosive or fire prone nature, to where a HUD assisted project can be located. The ASD is consistent with the Department's standards of blast overpressure (0.5 psi-buildings) and thermal radiation (450 BTU/ft² - hr - people and 10,000 BTU/ft² - hr - buildings). Calculation of the ASD is the first step to assess site suitability for proposed HUD-assisted projects near stationary hazards. Additional guidance on ASDs is available in the Department's guidebook "Siting of HUD- Assisted Projects Near Hazardous Facilities" and the regulation 24 CFR Part 51, Subpart C, Siting of HUD-Assisted Projects Near Hazardous Operations Handling Conventional Fuels or Chemicals of an Explosive or Flammable Nature.

Note: Tool tips, containing field specific information, have been added in this tool and may be accessed by hovering over the ASD result fields with the mouse.

Acceptable Separation Distance Assessment Tool

Is the container above ground?	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>
Is the container under pressure?	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Does the container hold a cryogenic liquified gas?	Yes: <input type="checkbox"/> No: <input type="checkbox"/>
Is the container diked?	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
What is the volume (gal) of the container?	<input type="text" value="250"/>
What is the Diked Area Length (ft)?	<input type="text"/>
What is the Diked Area Width (ft)?	<input type="text"/>
<input type="button" value="Calculate Acceptable Separation Distance"/>	
Diked Area (sqft)	<input type="text"/>
ASD for Blast Over Pressure (ASDRBP)	<input type="text"/>

ASD for Thermal Radiation for People (ASDPPU)	155.23
ASD for Thermal Radiation for Buildings (ASDBPU)	26.49
ASD for Thermal Radiation for People (ASDPNPD)	
ASD for Thermal Radiation for Buildings (ASDBNPD)	

For mitigation options, please click on the following link: [Mitigation Options \(/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/\)](/resource/3846/acceptable-separation-distance-asd-hazard-mitigation-options/)

Providing Feedback & Corrections

After using the ASD Assessment Tool following the directions in this User Guide, users are encouraged to provide feedback on how the ASD Assessment Tool may be improved. Users are also encouraged to send comments or corrections for the improvement of the tool.

Please send comments or other input using the **Contact Us** (<https://www.hudexchange.info/contact-us/>) form.

Related Information

- [ASD User Guide \(/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/\)](/resource/3839/acceptable-separation-distance-asd-assessment-tool-user-guide/)
- [ASD Flow Chart \(/resource/3840/acceptable-separation-distance-asd-flowchart/\)](/resource/3840/acceptable-separation-distance-asd-flowchart/)

RIDEM Environmental Resource Map

[Back to the Map Room](#)



Find a Street Address...



Measurement_2

1 Feet (US)

Measurement Result

3,646.5 Feet (US)

Clear

Press CTRL to enable snapping

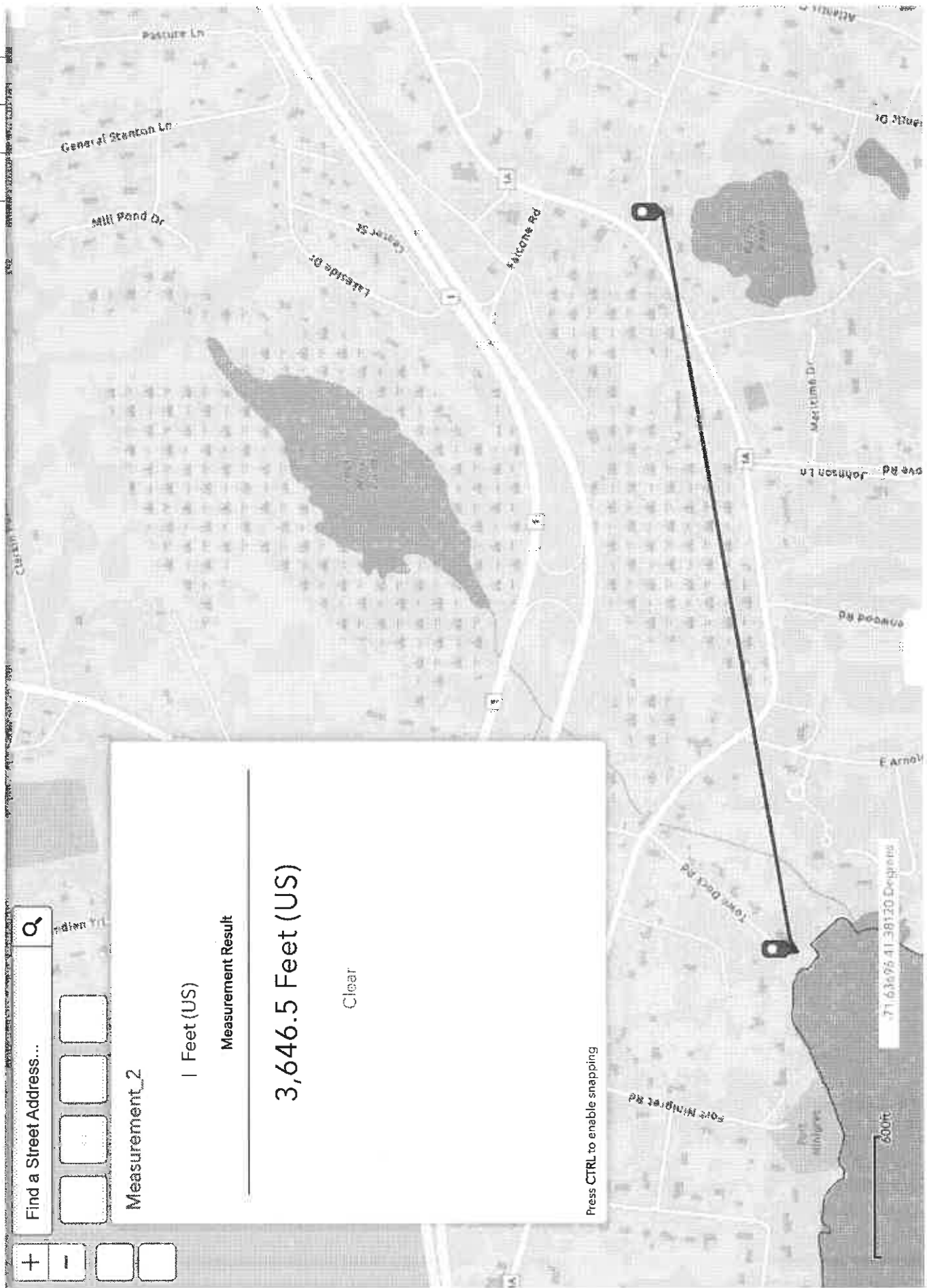
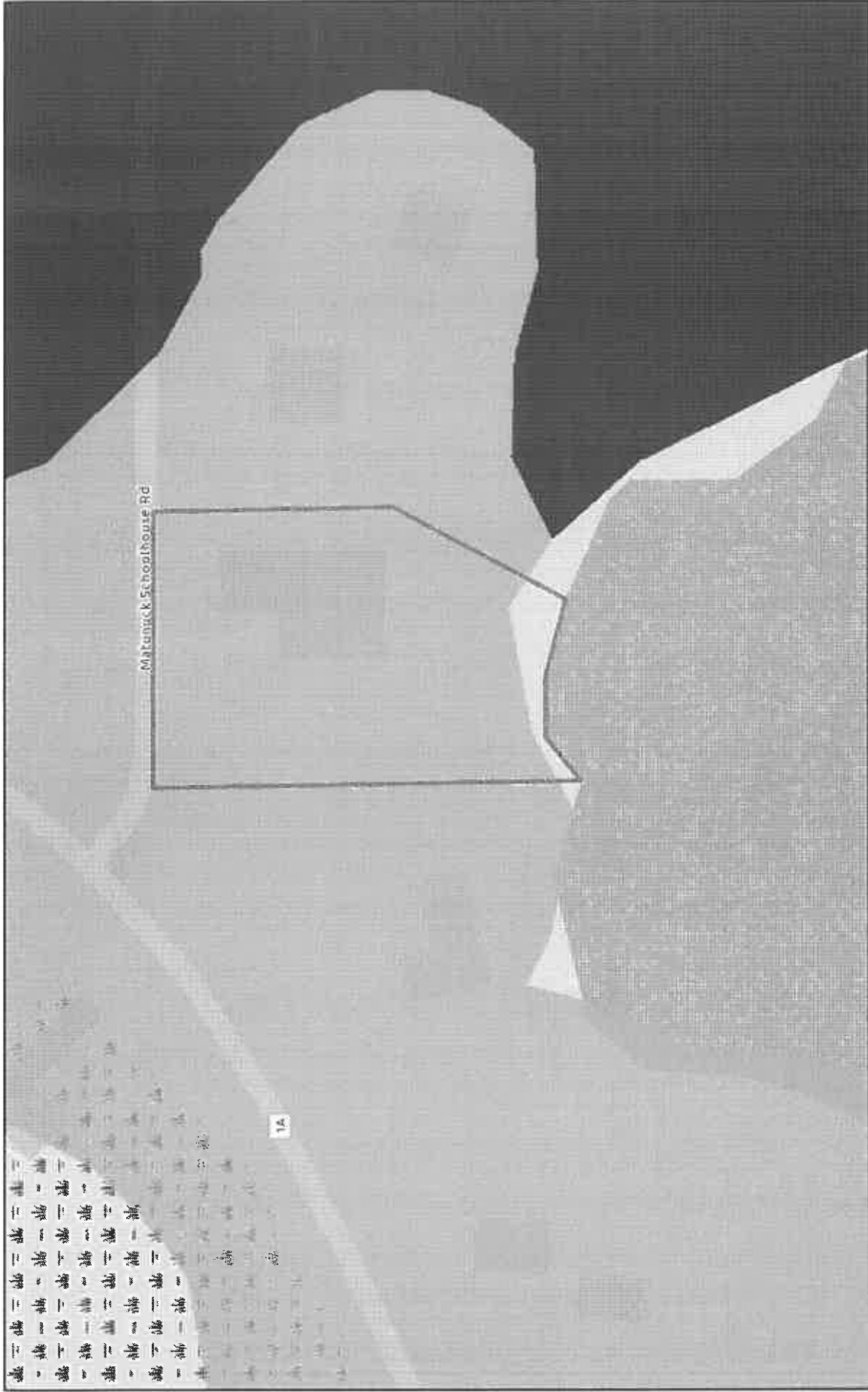


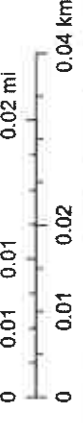
Exhibit G
Agricultural Land

RIDEM Environmental Resource Map



4/24/2024, 9:57:59 AM

1:1,128



- RI Municipal Boundaries
- Soil Prime or Important Farm
- Prime farmland
- Statewide Important

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Exhibit H
RIHPHC Letter



STATE OF RHODE ISLAND

HISTORICAL PRESERVATION & HERITAGE COMMISSION

Old State House 150 Benefit Street Providence, RI 02903

Telephone 401-222-2678
TTY 401-222-3700

Fax 401-222-2968
www.preservation.ri.gov

May 10, 2024

Via email: chair@charlestownfd.org

Joe Weeden, Chairman
Charlestown Fire District
4377 South County Trail, PO Box 327
Charlestown, RI 02813

Re: RIHPHC Project No. 18196
Demolition – Cross Mills Fire Station
2370 Matunuck Schoolhouse Road
Charlestown, Rhode Island

Dear Mr. Weeden:

The Rhode Island Historical Preservation and Heritage Commission (RIHPHC) staff has reviewed the information that you provided for the above-referenced project. The Charlestown Fire District (CFD) is proposing to demolish the building at 2370 Matunuck Schoolhouse Road and to redevelop the property for recreational use. The CFD has received a congressionally directed spending grant for the project, has invited the RIHPHC to be a consulting party, and has asked us to identify historic properties within the vicinity.

The subject property has not been evaluated for listing in the National Register of Historic Places. The building was constructed in 1939 and expanded twice in the 1960s-1970s. The two additions are large and partially obscure the original structure. The building does not appear to be individually eligible for listing in the National Register of Historic Places. There are no known historic properties around this area. Based on our review of available information, it is the conclusion of the RIHPHC that no historic properties will be affected by the project. Therefore, we decline the invitation to further consult on this project. We reserve the right to request to become a consulting party at a later time if the project scope changes.

These comments are provided in accordance with Section 106 of the National Historic Preservation Act. If you have any questions, please contact RIHPHC Project Review Coordinator Elizabeth Totten at 401-222-2671 or elizabeth.totten@preservation.ri.gov.

Sincerely,

Jeffrey Emidy
Executive Director
State Historic Preservation Officer

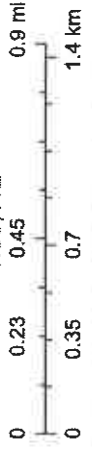
Exhibit I
Pawcatuc Aquifer Map








RIDEM Environmental Resource Map



4/14/2024, 6:09:40 PM

1:36,112



-  RI Municipal Boundaries
-  Sole Source Aquifer
-  Hunt-Annaquaket-Pettaquamscutt
-  Block Island
-  Pawcatuck
-  World Transportation
-  Conanicut Island

RIDEM, Esri, HERE, University of Rhode Island, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US

Exhibit J
Wild and Scenic Rivers



Most of Rhode Island's streams, ponds, and lakes drain into three major rivers—the Blackstone, the Pawtuxet, and the Pawcatuck. The Blackstone and Pawtuxet Rivers flow into Narragansett Bay, while the Pawcatuck River flows into Little Narragansett Bay and then on to the Atlantic Ocean. Historically, the Blackstone, the Pawtuxet, and the Pawcatuck Rivers were epicenters for Rhode Island's water-powered mills; however, they eventually fell out of use as power sources shifted and industry changed. Rhode Island's industrial river legacy remains a focal point in its history, as evidenced in its cities and towns—such as Hopkins Mill in Foster—and at federally recognized historical sites—such as Slater Mill in Pawtucket as part of the Blackstone River Valley Natural Heritage Corridor.

However, the benefits of the state's rivers are not all found in business history and industry; the big three rivers also provide channels for rainwater to flow to the coasts, habitat for fish and wildlife, and recreational opportunities such as fishing and paddling. The connection they provide between inland areas and the ocean is important to both ecosystems.

Rhode Island has approximately 1,392 miles of river, of which 110 miles are designated wild and scenic rivers; less than 8% of the state's river miles.





Rivers In Rhode Island



(/river/wood-pawcatuck)

Wood-Pawcatuck Rivers Watershed (/river/wood- pawcatuck)

Rhode Island, Connecticut
(/river/wood-pawcatuck)