

RE: City of Fort Lauderdale
Housing and Community Development
914 NW 6th Street, Suite 103
Fort Lauderdale, FL 33311

Compliance Checklist for 24 CFR §58.6, Other Requirements

Complete for all projects, including Exempt (§58.34), Categorically Excluded Subject to §58.5 [§58.35(a)], Categorically Excluded Not Subject to §58.5[§58.35(b)], and Projects Requiring Environmental Assessments (§58.36). Must be completed for each individual property address included within the project description.

Project Name: BBI Village, NW 19th Street Parcel, Fort Lauderdale, Broward County, Florida

ERR FILE # _____

1. §58.6(a) and (b) Flood Disaster Protection Act of 1973, as amended; National Flood Insurance Reform Act of 1994

- a. Does the project involve new construction, major rehabilitation, minor rehabilitation, improvements, acquisition, management, new loans, loan refinancing or mortgage insurance?

Yes No

If No, compliance with this section is complete.

If Yes, continue.

- b. Is the project located in a FEMA identified Special Flood Hazard Area?

Yes No

If No, compliance with this section is complete.

If Yes, continue.

- c. Is the community participating in the National Flood Insurance Program (or has less than one year passed since FEMA notification of Special Flood Hazards)?

Yes No

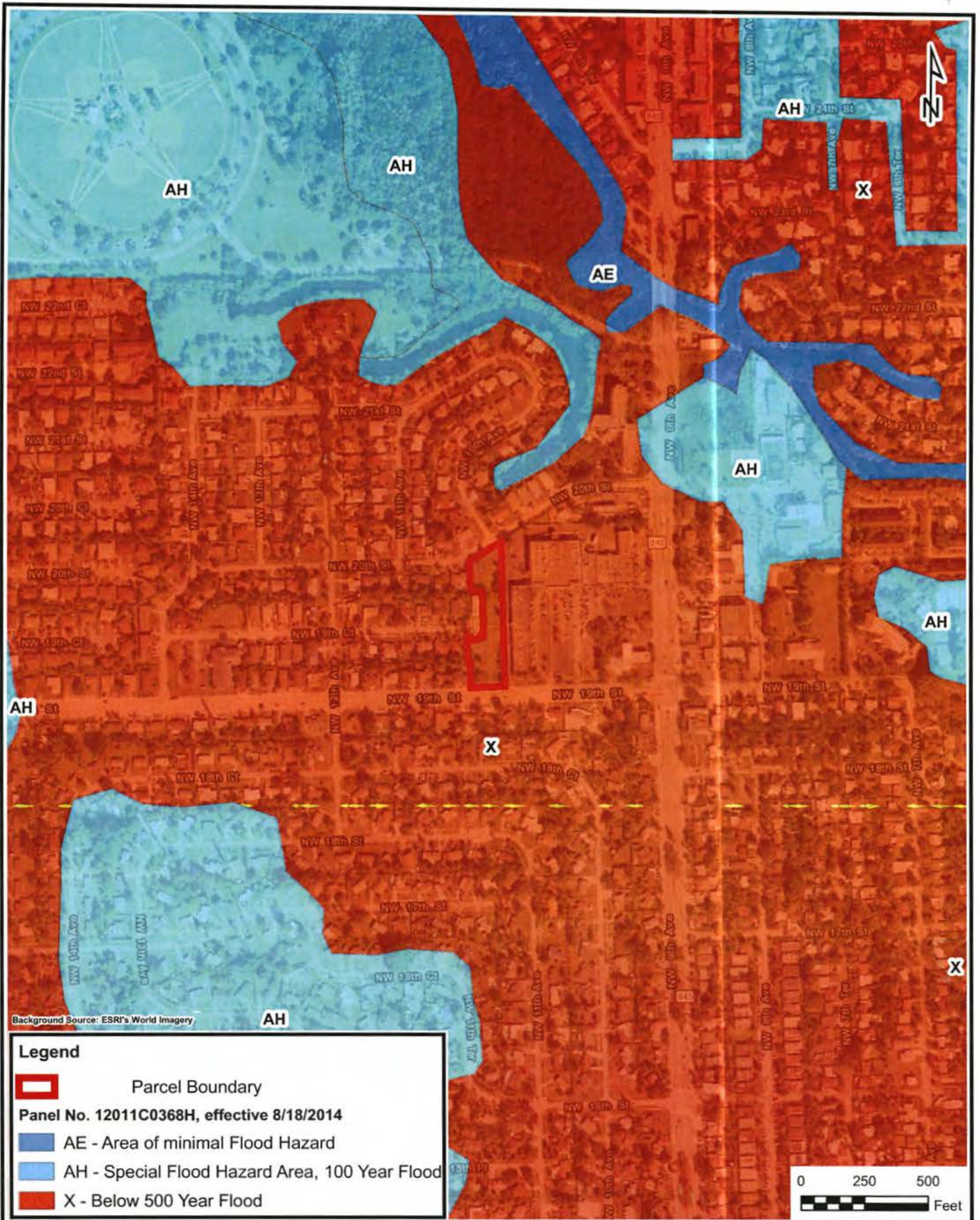
If Yes, Flood Insurance under the National Flood Insurance Program must be obtained. If HUD assistance is provided as a grant, insurance must be maintained for the economic life of the project and in the amount of the total project cost (or up to the maximum allowable coverage, whichever is less). If HUD assistance is provided as a loan, insurance must be maintained for the term of the loan and in the amount of the loan (or up to maximum allowable coverage, whichever is less). A copy of the flood insurance policy declaration must be kept on file in the ERR.

If No, Federal assistance may not be used in the Special Flood Hazards Area.

Cite and attach source documentation: (Documentation should include a FEMA Flood Map showing project location in reference to flood zone designation. If flood map is not available, use best available information.)

See attached floodplain map. The site is in Zone X, below the 500-year floodplain. The proposed project is not a Critical Action.

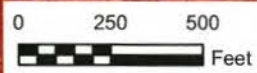
For additional information see: FEMA Map Service Center: <http://www.store.msc.fema.gov>
NFIP Community Status Book: www.fema.gov/fema/csb.shtm



Legend

- Parcel Boundary
- AE - Area of minimal Flood Hazard
- AH - Special Flood Hazard Area, 100 Year Flood
- X - Below 500 Year Flood

Panel No. 12011C0368H, effective 8/18/2014



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res | **sciences**

RES Florida Consulting, LLC d/b/a E Sciences
 200 E Dania Beach Blvd, Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500

PROJECT NUMBER:
2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Floodplain Map

SCALE: 1" = 500'
 DATE: 9/19/2022

FIGURE
1

2. §58.6(c) Coastal Barrier Improvement Act, as amended by the Coastal Barriers Improvement Act of 1990 (16 U.S.C. 3501)

- a. Does the project involve new construction, conversion of land uses, major rehabilitation of existing structure, or acquisition of undeveloped land?

Yes No

If No, compliance with this section is complete.

If Yes, continue below.

- b. Is the project located in a coastal barrier resource area?

Yes No

If No, compliance with this section is complete.

If Yes, Federal assistance may not be used in such an area.

Cite and attach source documentation: (Documentation should include map (e.g. Google Earth) noting project distance from Coastal Barrier Resources.)

See attached Coastal Barrier Resources System Map. The site is not on a barrier island.

For more information see:

CBRS maps on US FWS and FEMA websites: <http://www.FWS.gov/CBRA/>

<http://www.FWS.gov/CBRA/Maps/index.html>

3. §58.6(d) Runway Clear Zones and Clear Zones [24 CFR §51.303(a) (3)]

- a. Does the project involve the sale or purchase of existing property?

Yes No

If No, compliance with this section is complete.

If yes, continue below.

- b. Is the project located within 2,500 feet of the end of a civil airport runway (Civil Airport's Runway Clear Zone) or within 15,000 feet of the end of a military runway (Military Airfield's Clear Zone)?

Yes No

If No, compliance with this section is complete.

If Yes, Notice must be provided to buyer. The notice must advise the buyer that the property is in a Runway Clear Zone or Clear Zone, what the implications of such a location are, and that there is a possibility that the property may, at a later date, be acquired by the airport operator. The buyer must sign a statement acknowledging receipt of this information, and a copy of the signed notice must be maintained in this ERR.

Cite and attach source document (Map indicating project site in proximity to end of runway):

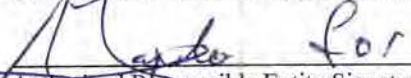
For more information see:

Airport Information: <http://www.airnav.com/airports/>

HUD Airport Hazards Q&A:

http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/environment/review/qa/airport

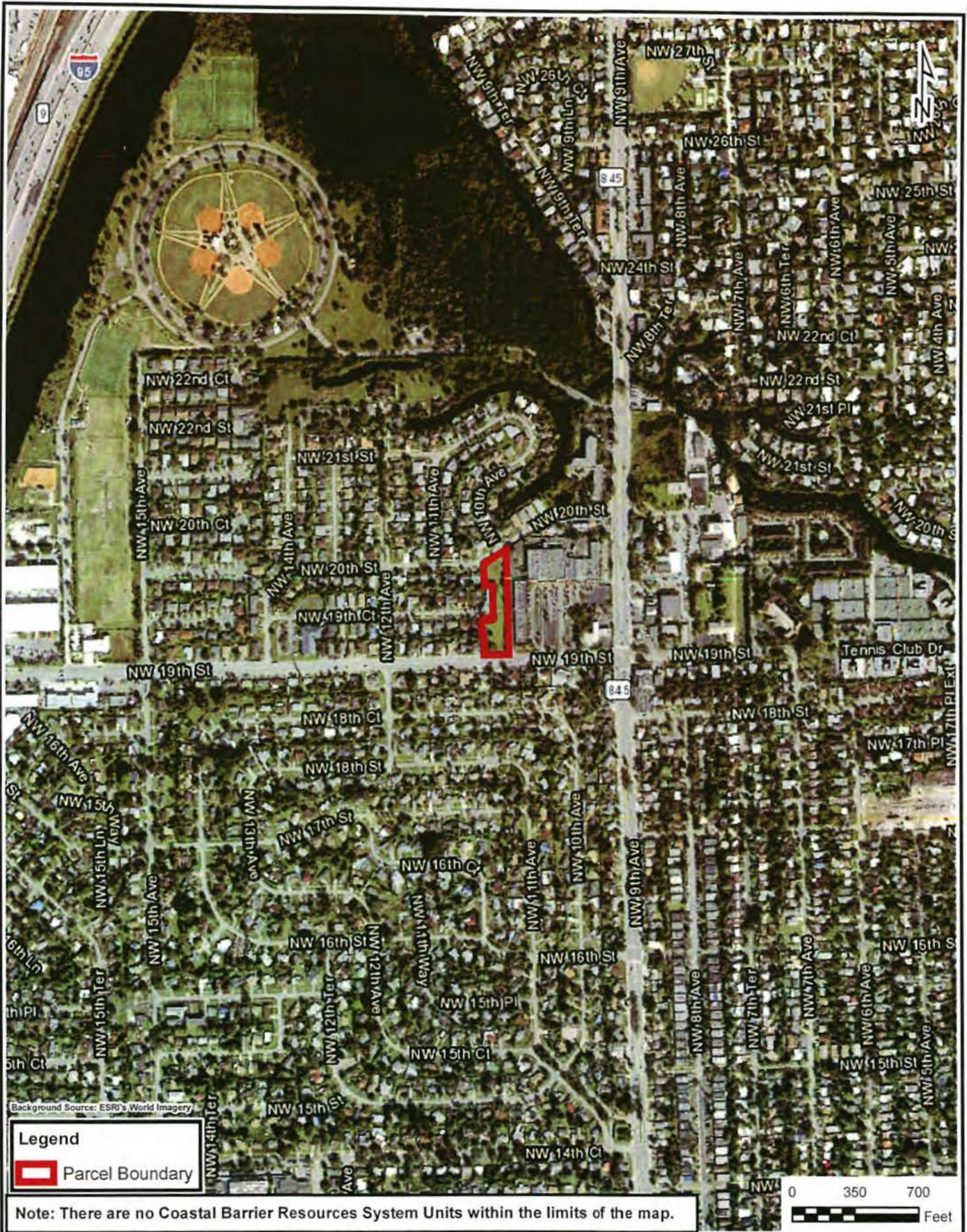
AUTHORIZED RESPONSIBLE ENTITY OFFICIAL:


Authorized Responsible Entity Signature

12/29/22
Date

Greg Chavarria
Authorized Responsible Entity Name (printed)

City Manager, City of Fort Lauderdale
Title (printed)



G:\projects\2-1281-013\GIS\Coastal Barrier Resources System Map.mxd By: LG



RES Florida Consulting, LLC d/b/a E Sciences
 200 E Dania Beach Blvd. Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500

PROJECT NUMBER:
 2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Coastal Barrier Resources System Map

SCALE: 1"=700' DATE: 9/19/2022

FIGURE

2



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

Project Information

Project Name: BBI Village

Responsible Entity: City of Fort Lauderdale

Grant Recipient (if different than Responsible Entity): Broward County Habitat Community Housing Development Organization

State/Local Identifier:

Preparer: Resource Environmental Solutions, LLC d/b/a E Sciences (RES)

Certifying Officer Name and Title: Greg Chavarria, City Manager

Consultant (if applicable):

Direct Comments to: Ms. Rachel Williams, Housing and Community Development Manager, City of Fort Lauderdale, 914 NW 6th Street, Suite 103, Fort Lauderdale, FL 33311, (954) 828-4527, rwilliams@fortlauderdale.gov

Project Location: NW 19th Street, Fort Lauderdale, Broward County, FL 33311

The property is located on the north side of NW 19th Street, south of NW 20th Street approximately 600 feet west of Powerline Road (NW 9th Avenue). A Location Map, USGS Topographic Map and 2020 Aerial Photograph are provided in **Figures 1, 2 and 3**, respectively.

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

The proposed project is an affordable, energy-efficient 20-unit townhome community to be constructed on a 1.4-acre parcel owned by Habitat for Humanity of Broward (Habitat Broward). The townhomes will consist of two-story, three- and four-bedroom units with two upstairs bathrooms and a downstairs powder room, living area and kitchen. Other features include laundry facilities (upstairs), a one-car garage and off-street parking. The layout of the site along with renderings and floor plans are provided in **Attachment A**.

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

Established in 1983 as an affiliate under Habitat for Humanity International, Habitat Broward has provided affordable homeownership for thousands of residents in Broward City. Habitat Broward develops, builds, and repairs homes for hardworking families so they may achieve the American dream of homeownership. BBI Village will be the next chapter in creating these opportunities for front-line heroes, service workers and those who have kept Broward County and the City of Fort Lauderdale running.

The objective of the BBI Village project is to provide a highly beneficial and cost-effective use of this vacant land that increases density and answers the desperate call for affordable housing in Broward County. Habitat Broward is the only affordable housing developer with a fully comprehensive model for delivering the development of land, construction of units, and delivering vetted, established, long-term residents to the community. Additionally, Habitat Broward's homeowner-specific model is the premier solution to reduce racial inequities by generating wealth for families.

The homeownership objective and focus of Habitat Broward is based on the direct and lasting impact made for the homeowners and their families. Research and studies both on the national and local levels prove:

- Homeowners experience better health:
 - Proven decreases in childhood health issues including asthma, mental health, behavioral and developmental problems
 - Decreased likelihood of substance abuse
 - 94% of homeowners share they have access to healthier food options
- Homeownership results in stronger educational outcomes when compared to renters of the same age, race and income:
 - Children of homeowners are more likely to graduate from high school and/or college
 - Boast higher scores in reading and math
 - Experience fewer behavioral problems
- Homeowners are more financially stable and are more active in their communities:
 - 74% of homeowners feel confident about their finances for the first time
 - Net worth of homeowners is 44 times greater than that of renters
 - 60% of homeowners volunteer in neighborhood and school projects
 - 28% are more likely to vote
- Homeownership is an economic contributor to the community:

- Every year, \$5-6 million is invested into the Broward economy through Habitat Broward's builds
- More than \$1 million annually is paid in property taxes by our homeowners

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

This project is in the Lauderdale Manors neighborhood of the City of Fort Lauderdale. Based on census data from City-Data.com (www.city-data.com/neighborhood/Lauderdale-Manors-Fort-Lauderdale-FL.html), the population of Lauderdale Manors is 8,901 persons in a 1.344 square mile area. Therefore, population density is 6,621 people per square mile. 48.8% of the population is male with a median age of 33.6 years and 51.2% of the population is female with a median age of 40.1 years. The median household income in 2019 was \$41,767 compared to \$67,750 for the City of Fort Lauderdale. It is estimated that 34.5% of the population in Lauderdale Manors lives below the poverty level. Demographic data from 2019 indicate that 84.1% of the population identifies as Black, 6.7% identifies as White, 5.3% identify as Hispanic or Latino, 2.2% identify as Two or More Races, 1.0% identify as Asian, 0.4% identify as Some Other Race and 0.2% identify as Native Hawaiian or Other Pacific Islander.

Economic empowerment is moving further out of reach for many working families in Broward County, and even further for minority families. The need for affordable housing has never been greater and has reached crisis level, putting our community at the top of the nation in terms of unaffordability. Even before COVID-19, Broward faced a critical housing shortage due to the housing-wage gap (Out of Reach 2020: Florida; 2018 Broward County Affordable Housing Needs Assessment). The 2018 study by FIU Metropolitan Center identified a shortage of 147,313 decent, affordable units. One year into the pandemic, single-family home values increased by 13% (Broward County Property Appraiser) putting homeownership further out of reach.

Habitat Broward works to provide homeownership for low-income families in need of safe, affordable housing. Habitat Broward ensures a family's housing payments do not exceed 30% of income and income does not exceed 80% of the area's median income (AMI).

Habitat Broward estimates serving 86 individuals based on average family size of 4.3 persons per unit and 20 units in this community. Current population and demographics specifics for current and future builds such as the BBI Village are:

- Children range from infant to 17 years of age
- 100% of families to be served have one or more children

- 80% of families are led by a single mother
- Household sizes range from 3 to 7 persons
- 100% of families served meet HUD guidelines for low-income households (less than 80% of area medium income (AMI))

The NW 19th Street parcel proposed for this project is vacant and has been since at least 1995 according to Google Earth. Therefore, this project is also an urban infill project in an area that is in desperate need of affordable housing.

Funding Information

| Grant Number | HUD Program | Funding Amount |
|---------------------|------------------------------|-----------------------|
| M-18-MC-12-0205 | HOME Investment Partnerships | \$2,815.00 |
| M-18-MC-12-0205 | HOME Investment Partnerships | \$94,601.25 |
| M-18-MC-12-0205 | HOME Investment Partnerships | \$107,930.55 |
| M-18-MC-12-0205 | HOME Investment Partnerships | \$396,747.13 |
| M-18-MC-12-0205 | HOME Investment Partnerships | \$418,778.70 |

Estimated Total HUD Funded Amount: \$1,020,872.63

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$6.5M

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"/> | The project location with a 2,500-foot buffer and 15,000-foot buffer is depicted in Figure 4 . There are no military airfields in Broward County. Both the Fort Lauderdale-Hollywood International Airport and Fort Lauderdale Executive Airport are outside of the 2,500-foot buffer. Therefore, the project is not within 2,500 feet of a civilian airport and is not within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ). |
| 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 project is not within a Coastal Barrier Resource System Unit or Otherwise Protected Area as shown in Figure 5 . The project is located over three miles from a coastal barrier island. |

| 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 |
|---|--|---|
| 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"/> | A Floodplain Map is provided in Figure 6 . According to the Federal Emergency Management Agency (FEMA) Map Panel Number 12011C0368H, effective August 18, 2014, the property is not within the 100-year floodplain. The project is within the 500-year floodplain; however, this project is not a Critical Action. |
| 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"/> | According to the US Environmental Protection Agency (EPA) Green Book (www.epa.gov/green-book), the project is located within an attainment area for air quality standards. |
| Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d) | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | This project was reviewed for federal coastal zone consistency under the Florida Coastal Management Program (FCMP). Based on email correspondence from the Florida Department of Environmental Protection State Clearinghouse on November 16, 2022, the state has no objections to allocation of federal funds for the proposed project and the funding award is consistent with the FCMP. See correspondence in Attachment B . |
| Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2) | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Based on the FDEP Map Direct online tool (https://ca.dep.state.fl.us/mapdirect/), and Broward County Contaminated Sites online tool (https://bcgis.maps.arcgis.com/apps/OnePan e/basicviewer/index.html?appid=5d9ec5c1eb 614c8b88d8990f48b15b7a), seven sites with |

| 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 |
|--|---|---|
| | | <p>documented contamination or potential sources of contamination are located within a one-half mile radius of the property (Attachment C). Their names and the approximate distance and direction from the subject property are listed below:</p> <ul style="list-style-type: none"> ▪ 7-Eleven Food Store #25813-33 (Facility ID 8622204): 2349 NW 9th Avenue, Wilton Manors FL – 1,595 feet NE of site and across the New River, ▪ Family Corner Gas and Mini Mart (Facility ID 8838216): 1500 NW 19th Street, Fort Lauderdale FL – 2,040 feet E of site, ▪ Ft Lauderdale Rescue Tabernacle Inc (Facility ID 8627841, FLR000100636): 1980 NW 9th Avenue, Fort Lauderdale FL – 840 feet E of site, ▪ Valero (Facility ID 8622429): 1900 NW 9th Avenue, Fort Lauderdale FL – 685 feet E of site ▪ A&J Tire & Service Center (Facility ID 8733100): 1953 NW 9th Avenue, Fort Lauderdale FL – 500 feet E of site. ▪ Sunshine #91 (Facility ID ERIC_6674, 8502357, FLD984202630): 901 NW 19th Street, Fort Lauderdale FL - 375 feet E of site, ▪ Lauderdale Manors Coin Laundry (Facility ID 8840458): 1925 NW 9th Avenue, Fort Lauderdale FL - adjacent to the site to the east |

| 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 |
|--|---|---|
| | | <p>A summary for each of the above regulated sites are provided below.</p> <p>7-Eleven Food Store #25813-33: A Storage Tank Registration Form was submitted to the Florida Department of Environmental Protection (FDEP) in January of 1985 for the registration of four underground storage tanks (USTs). Two 10,000-gallon tanks contained unleaded gasoline, one 6,000-gallon tank contained unleaded gasoline and one 6,000-gallon tank contained diesel. A discharge was reported at the facility in January of 1987 when an unknown quantity of an undefined product was detected during groundwater monitoring. The site was accepted into the state sponsored early detection incentive program. No site assessment was done at that time; however, groundwater samples were collected in 1993, which showed benzene above the groundwater clean up level (GCTL). By May of 1993 the tanks were removed from the site. In 2015, the site is now operating as a USA Grocers and one monitoring well was identified at that time during a regulatory inspection. In 2015 and 2016 a sampling plan and health and safety plan was submitted for the site as part of the low-score site initiative (LSSI) program with FDEP. In June 2016, an initial assessment was completed and identified soil contamination at the site in the area around the former UST and dispenser areas. No groundwater</p> |

| 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 |
|--|---|---|
| | | <p>impacts were identified. In November of 2016 a template site assessment report (TSAR) was submitted to FDEP. Soil contamination at the site was mostly delineated and source removal was recommended. The TSAR was approved but additional vertical delineation of the soils was required. No funding was available for additional delineation or source removal at that time. No further work has been completed. Based on the delineated contamination impacts within the property boundary and the distance to the project site, this site is not considered a contamination concern associated with the proposed project.</p> <p>Family Corner Gas and Mini Mart: A January 1988 tank registration form indicated that six 1,000-gallon USTs were installed at the site in 1969. Five of the tanks contained unleaded gasoline and one contained leaded gasoline. Based on the 1987/88 storage tank facility license, the tanks remained onsite and six monitoring wells were installed at the site. In March of 1998, a letter addressed to FDEP stated that the tanks had been removed from the site. A Phase II Environmental Site Assessment (ESA) cover letter and a site map were identified in the regulatory records. No assessment data associated with the Phase II ESA or other assessment activities was identified in the regulatory records. Based on</p> |

| <p>Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6</p> | <p>Are formal compliance steps or mitigation required?</p> | <p>Compliance Determinations</p> |
|---|--|---|
| | | <p>the distance to the Site and the absence of reported contamination at this site, the site is not considered a concern associated with the proposed project.</p> <p>Ft Lauderdale Rescue Tabernacle Inc: A tank registration dated December 1986 indicated that two USTs were installed at the Site. One UST contained 5,000-gallon of leaded gasoline and one UST contained 1,000-gallon of unleaded gasoline. In October of 1989, a discharge form was submitted for the discovery of an unknown amount of leaded gasoline discovered during tank removal activities. In September of 1990, a letter from the site owner stated that a permit renewal was no longer required as the tanks had been removed from the site. A storage tank inspection form dated July of 1991 noted that the tanks were removed in October of 1989 and that the contractor reported moderate to strong hydrocarbon odors in the subsurface soil and groundwater. The site was accepted into the state Abandoned Tank Restoration cleanup program in December 1992. In 2011, a contractor was designated for the site as part of the LSSI program. In March 2012, a Site Assessment was completed at the site. Based on the assessment maps, the two tanks were located at different locations on the property approximately 600 feet apart. Soil and groundwater contamination was identified at the location for the former</p> |

| <p>Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6</p> | <p>Are formal compliance steps or mitigation required?</p> | <p>Compliance Determinations</p> |
|---|--|--|
| | | <p>1,000-gallon tank but not at the location of the former 5,000-gallon tank. No further information is available for this site. Based on the absence of detected groundwater contamination and the distance to the proposed project, this site is not considered a concern associated with the project site.</p> <p>This site was also identified as a small quantity generator (SQG) of hazardous materials. An application for a SQG license was submitted in 2003 and an enforcement action was issued by FDEP in 2006 that was resolved in 2007 with no documented release of materials.</p> <p>Valero: A 2007 storage tank facility annual site inspection report noted that the site had three USTs. At that time, the site had a minor out of compliance for a missing leak detection test. The site had the same compliance issue during the 2008 and 2009 inspections. A re-inspection was completed in 2009 and the site was brought back into compliance. The 2010 inspection found the site out of compliance for missing two years of documentation not kept at the facility and the USTs not meeting the regulatory requirements as they were single walled tanks. In July 2010, the site entered into a consent agreement with the State of Florida. The site owner was ordered to upgrade the tanks by December 31, 2010. The 2011 and 2012 tank inspection report found the site out of compliance because the tanks were</p> |

| 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 |
|--|---|---|
| | | <p>not upgraded as required. In 2013, a storage tank closure inspection report was completed for the removal of the storage tanks from the site. Soil samples collected from the site were determined to be "good". In 2013, a new tank registration form was submitted for the installation of one 12,000-gallon UST at the site. In September 2013, a limited tank closure assessment was submitted to FDEP documenting the removal of three UST and associated piping and the installation of one 12,000-gallon two compartment double walled UST. No groundwater or soil assessment information was included in this report. Between 2013 and 2015, warnings letters were issued to the site to submit a complete tank closure assessment. In July 2015, a tank closure assessment was submitted. Soil sampling did not reveal contaminant concentrations above the respective soil clean up target levels (SCTLs) for the soil samples collected from either the side walls of the UST excavation area or in the soil stockpiles. A groundwater monitoring well was installed adjacent to the former UST excavation. Groundwater samples did not reveal contaminant concentrations above the GCTLs. Broward County reviewed the tank closure report and concluded that no additional assessment was required. The most recent inspection report available dated May of 2022 noted a minor out of compliance for lack of training</p> |

| <p>Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6</p> | <p>Are formal compliance steps or mitigation required?</p> | <p>Compliance Determinations</p> |
|---|--|--|
| | | <p>records and appropriate paperwork for financial responsibility. Based on the distance to the Site and the absence of reported contamination at this site, the site is not considered a concern associated with the proposed project.</p> <p>A&J Tire & Service Center: The only available document in online regulatory records for this facility is a registration form dated July of 1987 indicating that one 500-gallon UST containing waste oil was installed at the site in 1976. Based on the distance to the Site and the absence of reported contamination at this site, the site is not considered a concern associated with the proposed project.</p> <p>Sunshine #91: Based on a tank registration form dated 1985, three USTs were installed at the site: one 6,000-gallon containing unleaded gasoline, one 8,000-gallon containing leaded gasoline, and one 10,000-gallon containing unleaded gasoline. In 1989, a fourth 1,000-gallon tank containing waste oil tank was installed. In April 2004, a discharge report was submitted for a gasoline discharge from an unknown source identified while sampling groundwater monitoring wells at the site. Site Assessment was completed for the site in April 2004. Benzene and naphthalene were found in the groundwater at concentrations above GCTLs. Soil assessment did not identify the presence of contaminants above</p> |

| 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 |
|--|---|--|
| | | <p> the SCTLs. A site assessment and natural attenuation monitoring report was submitted in 2005. Horizontal and vertical delineation of the groundwater plume was completed and a monitoring program was proposed. Broward County approved the 2005 report and monitoring plan. In October 2005 the site was issued a site rehabilitation completion order (SRCO) therefore no additional assessment or monitoring was required. In 2010, the site entered into a consent agreement with the FDEP regarding the upgrade of the single walled tanks due to an inability to meet the UST upgrade deadline. The site was required to upgrade the tanks to double walled tanks by December 31, 2011. In June of 2010, a tank closure assessment was submitted for the site documenting tank upgrade activities. Soil samples collected within the tank area, dispenser areas and piping areas did not reveal contaminant concentrations above the SCTLs. In an addendum documented submitted in August 2010, documented additional soil and groundwater assessment. Benzo(a) pyrene was detected above the SCTL in one soil sample. The concentrations of benzene and dibenzo(a,h)anthracene in one monitoring well were slightly above the GCTL but it was noted that dibenzo(a,h) anthracene was also found in the method blank so it was believed to be a laboratory contaminant. </p> |

| 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 |
|--|---|---|
| | | <p> Broward County requested that a site assessment be completed since soil contamination was detected during tank upgrade activities. In 2012, the implementation of no further action with controls was approved under the condition that the land use remain commercial in nature based on the presence of benzo(a) pyrene above the SCTL in the soil. A restrictive covenant and deed restriction was completed for the site. A second SRCO for the conditional closure of the site was approved in September 2013. In August 2019, the three USTs were removed from the site and replaced by three new double walled 12,000-gallon USTs. Soil and groundwater samples collected during the tank removal did not reveal contaminant concentrations above the respective state clean up levels. Broward County concurred that no petroleum contamination was detected during closure activities and no additional assessment associated with the tank removal was required. As of the latest annual tank inspection in August of 2022, the facility has a minor out of compliance because of overdue insurance requirements. Based on the delineated contamination impacts within the property boundary and the distance to the project site, this site is not considered a contamination concern associated with the proposed project. </p> |

| 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 |
|--|---|---|
| | | <p>Lauderdale Manors Coin Laundry: A 1991 tank registration form is the only document available in FDEP online records. The tank registration form indicated that a 100-gallon above ground storage tank (AST) was installed at the site. Based on the distance to the Site and the absence of reported contamination at this site, the site is not considered a concern associated with the proposed project.</p> <p>Summary: Based on the conclusions presented above, the project area is free of hazardous materials, contamination, toxic chemicals, gasses and radioactive substances that could affect human health or safety.</p> |
| Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Based on a review of the project area by a qualified environmental scientist on October 19, 2022, the project area does not contain wetland or upland habitats to support federally listed or candidate threatened or endangered species. In addition, no State-listed species were observed during the field review. No designated critical habitat is located within the project area. Therefore, the project will have No Effect on federally listed species or critical habitat. |
| Explosive and Flammable Hazards 24 CFR Part 51 Subpart C | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Based on the Registered Tanks from Storage Tank Contamination Monitoring (STCM) database on the FDEP Map Direct online tool (Attachment D), there are no Aboveground Storage Tanks (AST) within a one-half mile |

| 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 |
|--|---|--|
| | | radius of the subject property. Therefore, there are no explosive or flammable hazards. |
| Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | No prime farmland, unique farmland, or land of statewide or local importance regulated under the Farmland Protection Policy Act, is present in the project area according to the US Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm) (Attachment E). |
| Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | This project is not located in a 100-year floodplain (see Figure 6) and the project is not a Critical Action. |
| Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | The site is a vacant lot and there are no potentially historic resources recorded in the Florida Master Site File in the vicinity of the site (Figure 7). The State Historic Preservation Officer (SHPO) has concurred that the proposed project will have no effect on historic properties listed or eligible for listing in the National Register of Historic Places in letter correspondence, dated October 19, 2022 (Attachment F). <u>However,</u> <u>due to ground disturbing activities, a special</u> <u>condition regarding unexpected discoveries</u> <u>should be included during project activities.</u> <u>Please see Attachment E for language to be</u> <u>included in the construction plans.</u> |

| 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 |
|---|---|---|
| Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | Florida Traffic Online (https://tdaappsprod.dot.state.fl.us/fto/) was accessed to provide the Annual Average Daily Traffic (AADT) for cars and trucks on NW 19 th Street and Powerline Road (Attachment G), the two major roads within 1,000 feet of the property. There are no railroads within 3,000 feet and the site is not within the flight path for the Fort Lauderdale/Hollywood International Airport. The Day/Night Noise Level (DNL) was estimated using the DNL Calculator on the HUD Exchange using a distance of 70 feet to represent the closest unit to the travel lanes. The combined DNL was 74 decibels, which is in the Normally Unacceptable range. The DNL Calculator was also run for a distance from the center of the property of 270 feet and the DNL was 66 decibels, also in the Normally Unacceptable range, both are also in Attachment G). Habitat Broward builds green homes that include impact windows and doors, which provide noise abatement and will provide noise mitigation for the project. |
| Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | The project is located within the Biscayne Aquifer, a sole source aquifer. Based on the EPA Region 4 Sole Source Aquifer Review webtool (https://www.epa.gov/dwssa/epa-region-4-sole-source-aquifer-project-review-form), the project is not expected to cause a |

| 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 |
|--|--|---|
| | | significant impact to the Aquifer or its recharge zone (Attachment H). |
| Wetlands Protection Executive Order 11990, particularly sections 2 and 5 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | The National Wetlands Inventory (NWI) Map from the US Fish and Wildlife Service is provided in Figure 8 . There are no NWI wetlands on the subject site. Also, based on a field review on October 19, 2022, there are no wetlands on the site. |
| Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c) | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Based on databases for the National Wild and Scenic Rivers Act of 1968, as amended (Figure 9), there are no Wild and Scenic Rivers, Study Rivers or segments of Nationwide Rivers Inventory Rivers in the vicinity of the project. |
| ENVIRONMENTAL JUSTICE | | |
| Environmental Justice Executive Order 12898 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | The proposed project will not be adversely impacted by adverse environmental conditions. The project will have no adverse effect on low-income or minority populations. The project will provide affordable housing to low-income and minority populations in Broward County. |

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 of 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 | 2 | The area of Fort Lauderdale that the proposed project is in was mostly developed during the 1950s and 60s. It is one of the oldest neighborhoods in Fort Lauderdale. Based on the Official City of Fort Lauderdale Zoning Map as of November 6, 2018, the property is zoned CB – Community Business. Commercial land uses are present to the east of the site and residential land uses are present to the south, west and north of the site. The CB designation allows for mixed use development and single use residential buildings are permitted on sites less than five acres. Therefore, the project is compatible with land use and zoning regulations. The project proposes 20 two-story townhomes to fit the scale and urban design of the area. |
| Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff | 2 | According to the USDA NRCS Web Soil Survey (https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm), most of the site consists of Duette-Urban land complex. This soil is suitable for development with a linear across-slope shape. Less than 1% of the site is Arents-Urban land complex. The Soil Map and Map Unit Descriptions are provided in Attachment I . Engineering and drainage plans have not yet been developed for this site, but it is anticipated that the drainage on the site will consist of be swales/green areas for dry retention as well as an exfiltration system coupled with catch basins for water quality and storage. The engineering and drainage plans will comply with State and County water quantity and quality permitting requirements for stormwater storage and treatment. |

| Environmental Assessment Factor | Impact Code | Impact Evaluation |
|---|-------------|--|
| Hazards and Nuisances including Site Safety and Noise | 2 | The project is located in Broward County, Florida, an area subject to hurricanes, although it is not in an evacuation zone (i.e., not in an area prone to storm surge). Given the existing and growing population in Broward County, this is not an excessive risk. |
| Energy Consumption | 2 | With the new townhomes, there will be an increase in energy consumption on this currently vacant property. However, Florida Power and Light plans for increases in demand due to the growing population in Broward County and southeast Florida. In addition, Habitat Broward builds sustainable, energy-efficient homes that are environmentally friendly and cost-efficient for low-income homeowners. |
| SOCIOECONOMIC | | |
| Employment and Income Patterns | 2 | This project will have not alter the employment and income patterns in the region. However, homeownership as vetted through Habitat Broward has been shown to provide financially stable households to the community. |
| Demographic Character Changes, Displacement | 2 | This project is not anticipated to alter the demographic character of the Lauderdale Manors neighborhood. No displacement of individuals or families will result from the proposed project. Rather, this project will provide home ownership opportunities. |
| COMMUNITY FACILITIES AND SERVICES | | |
| Educational and Cultural Facilities | 2 | The project will increase the student population in the project area. Students can attend Lauderdale Manors Elementary School or Fort Lauderdale High School. Students in Broward County/Fort Lauderdale are not limited by their neighborhood and students could also attend Dillard Elementary or High School. This project is in an urban area with adequate educational and cultural facilities. |
| Commercial Facilities | 2 | Sufficient retail and commercial facilities are present in the vicinity of the project and are not anticipated to be adversely impacted by the project. |

| Environmental Assessment Factor | Impact Code | Impact Evaluation |
|--|-------------|--|
| Health Care and Social Services | 2 | The project is located in an urban area with sufficient health care facilities and social services. The project is not anticipated to adversely impact these service providers. |
| Solid Waste Disposal / Recycling | 2 | Solid waste disposal and recycling will be outsourced to a private waste management company by the City of Fort Lauderdale Utility Billing Department. |
| Waste Water / Sanitary Sewers | 2 | Wastewater will be collected through a sanitary sewer system. Collection, treatment and disposal will be handled by the City of Fort Lauderdale Public Works Department. |
| Water Supply | 2 | Potable water will be supplied by the City of Fort Lauderdale Public Works Department. |
| Public Safety - Police, Fire and Emergency Medical | 2 | Police, fire and ambulance service are all reached by calling 911. The proposed project will not cause a significant increase in need for services. |
| Parks, Open Space and Recreation | 2 | Parks located within one mile of the proposed BBI Village include Mills Pond Park, Mickel Park, Osswald Park, Joseph C. Carter Park Easterlin Park and South Middle River Park. There are also several parks and other recreational opportunities in the greater Fort Lauderdale area. |
| Transportation and Accessibility | 2 | The proposed project is in an urbanized area with access to several modes of transportation, including vehicular, rail and bus transit. The project is not anticipated to impact the local or regional transportation system. |
| NATURAL FEATURES | | |
| Unique Natural Features, Water Resources | 2 | The property is in a highly urbanized area and there are no unique natural features or locally important features on the property. The project will not alter the groundwater or surface water patterns of the area. |
| Vegetation, Wildlife | 2 | There are no naturally vegetated areas on the subject property. Royal poinciana (<i>Delonix regia</i>) trees are present on the northern and southern edges of the property. |

Additional Studies Performed: No additional studies were performed.

Field Inspection (Date and completed by): October 19, 2022, Gayle Stone

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]: Refer to text.

American Community Survey, U.S. Census Bureau data – Retrieved from <http://www.city-data.com/neighborhood/Lauderdale-Manors-Fort-Lauderdale-FL.html>

Broward County Contaminated Sites

<https://bcgis.maps.arcgis.com/apps/OnePane/basicviewer/index.html?appid=5d9ec5c1eb614c8b88d8990f48b15b7a>

City of Fort Lauderdale Zoning and Future Land Use Maps - <http://gis.fortlauderdale.gov/>

EPA Green Book – www.epa.gov/green-book

EPA Region 4 Sole Source Aquifer Review Form - <https://www.epa.gov/dwssa/epa-region-4-sole-source-aquifer-project-review-form>

FDEP Map Direct - <https://ca.dep.state.fl.us/mapdirect/>

FDEP Storage Tank/Contaminated Facility Name and Address Search - https://fldep.dep.state.fl.us/www_stcm/reports/STCM02_R.asp

Federally Listed or Candidate Threatened and Endangered Species by County - <https://ecos.fws.gov/ecp0/reports/species-by-current-range-county?fips=12011>

FEMA Flood Map for Broward County - <https://gyr.fortlauderdale.gov/greener-government/climate-resiliency/floodplain-management/flood-zones-in-fort-lauderdale/flood-zone-designations-flood-maps>

National Park Service Wild and Scenic Rivers Program - www.nps.gov/subjects/rivers/nationwide-rivers-inventory.htm

U.S. Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey - <https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

U.S. Fish and Wildlife Service, National Wetlands Inventory Mapper - <https://www.fws.gov/wetlands/data/mapper.html>)

List of Permits Obtained: No permits have been acquired for the project.

Public Outreach [24 CFR 50.23 & 58.43]: Habitat Broward works to provide homeownership for low-income families in need of safe, affordable housing. Habitat Broward ensures a family's housing payments do not exceed 30% of income and income does not exceed 80% of the area's median income (AMI). Habitat Broward's homeowner selection process is a competitive and rigorous process because of the high demand for affordable housing in Broward County and the

City of Fort Lauderdale. Families who visit Habitat Broward's webpage for pre-application information find the below criteria required for pre-application:

- First Time Homeowners (No borrower on the application has owned a home before)
- Can successfully undergo a criminal background check
- Have a track record of timely payments of debt, utilities, rent
- Verifiable income sufficient to repay low-interest mortgage
- Low-to-moderate income household (cannot earn >80% AMI)
- Required to contribute a minimal (\$2,000) cash down payment
- Willing/able to partner in performing (300) Sweat Equity Hours
- Must show a demonstrable need for safe and affordable living conditions due to space, crime, budget

Once families are selected in the Future Homeowner Program, they formally begin their journey. Over the next 12-18 months, families will participate and engage with Habitat Broward in different ways to ensure they are prepared for the life-changing event of owning their first home and taking on their first mortgage. This includes:

- Having their financials assessed and evaluated by three independent professionals
- One year of intensive participation in future homeownership program including monthly educational classes on budgeting, home maintenance, insurance, healthy living and more
- Criminal background check on every adult resident
- Periodic credit checks and financial stress-testing
- Verification of stable employment history and financial wherewithal
- Volunteer 300 hours of Sweat Equity, physically building their home or a future neighbor's home

Through the steps above and the continuous support provided by Habitat Broward as lender, the families served are successful in achieving the American dream of homeownership.

Cumulative Impact Analysis [24 CFR 58.32]:

This property was purchased by Habitat Broward in 2018 with the purpose of providing affordable housing to low-income and minority families. It is also an urban in-fill project on an historically vacant lot adjacent to residential neighborhoods. There are no natural features on the property and the project would have no adverse impacts on the human environment, as detailed above. Therefore, no unacceptable cumulative impacts from development of the property are anticipated.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

There are no practicable alternatives to the proposed project.

No Action Alternative [24 CFR 58.40(e)]:

The No Action Alternative would not meet the purpose and need of the project, which is to provide a path to homeownership and provide a highly beneficial and cost-effective use of this vacant land that answers the need for affordable housing in Broward County. Therefore, the No Action Alternative was rejected.

Summary of Findings and Conclusions:

Based on the findings detailed in this Environmental Assessment, it has been determined that the proposed project will not result in a significant impact on the human or natural environment. As detailed in the compliance checklist, day/night noise levels were in the normally unacceptable range. Habitat Broward will provide noise mitigation by installing impact windows and doors on all units. In addition, there are no adverse impacts anticipated to or from the environmental assessment factors discussed in the impact evaluation.

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 |
|--|--|
| Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B | Impact windows and doors will be installed to provide noise abatement. |

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: Gayle L. Stone Date: November 15, 2022

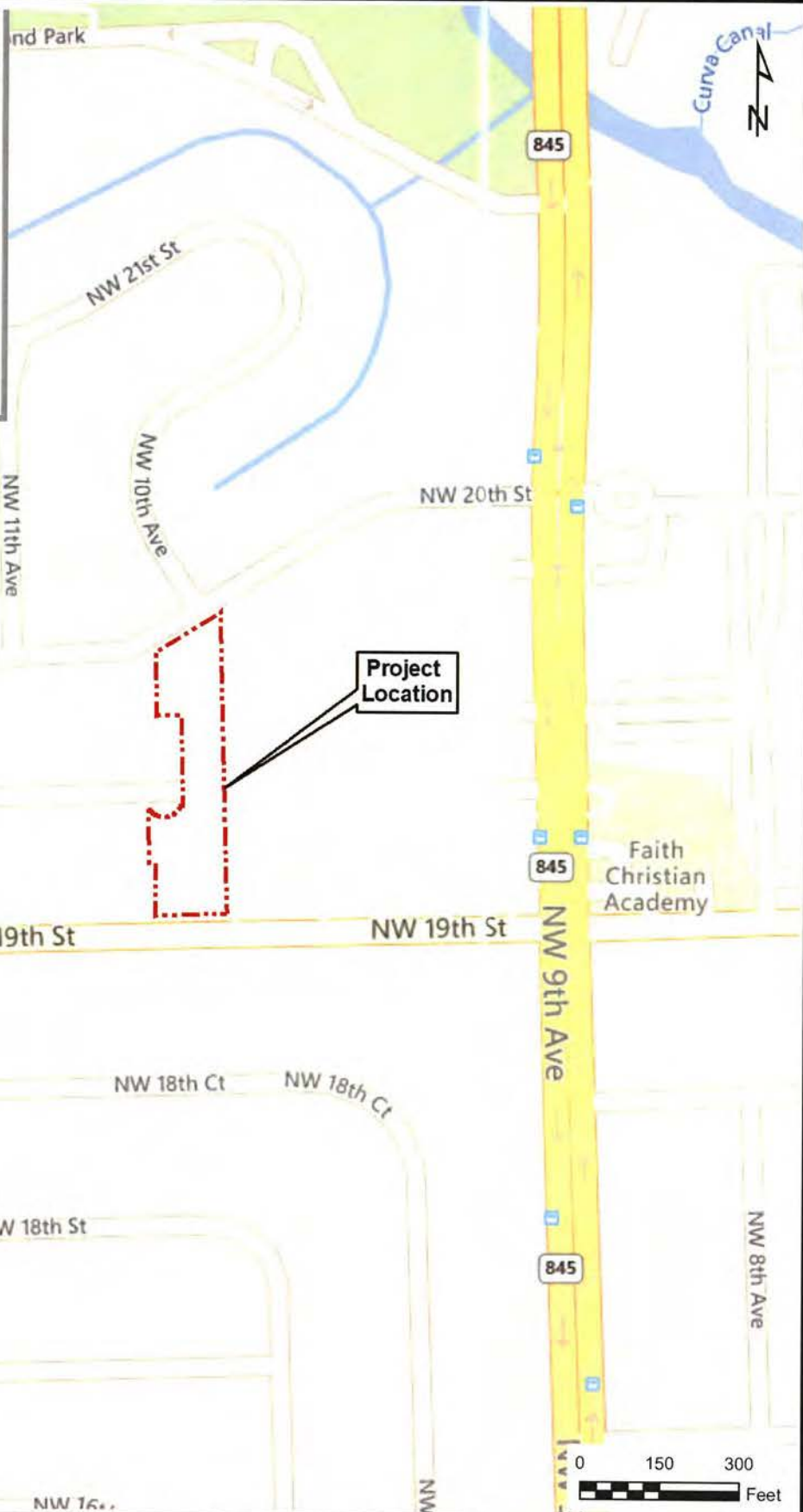
Name/Title/Organization: Gayle L. Stone, Senior Scientist, RES Florida Consulting, LLC

Certifying Officer Signature: _____ Date: _____

Name/Title: Greg Chavarria, City Manager, City of Fort Lauderdale

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).

FIGURES



Background Source: BING

Legend

Parcel Boundary




RES Florida Consulting, LLC d/b/a E Sciences
 200 E Dania Beach Blvd, Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500

PROJECT NUMBER:
 2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

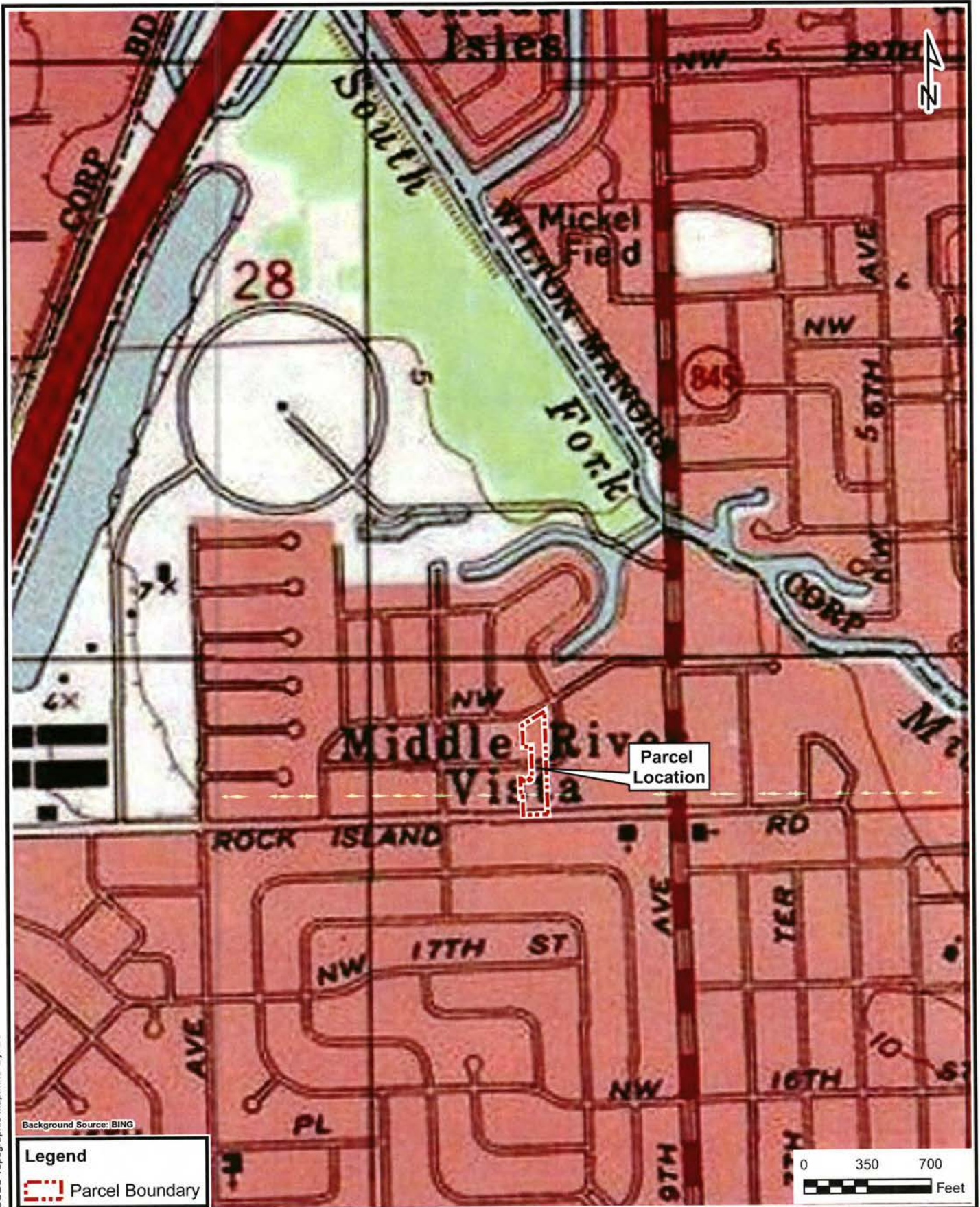
Location Map

SCALE: 1"=300'

DATE: 9/19/2022

FIGURE
1

G:\Projects\2-1281-013\GIS\1_Location Map.mxd By: LG



G:\Projects\2-1281-013\GIS\USGS Topographic Map.mxd By: LG

Background Source: BING

Legend

 Parcel Boundary

res | **E Sciences**

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 200 E Dania Beach Blvd. Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500

PROJECT NUMBER:
 2-1281-013

HUD Environmental Assessment

BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

USGS Topographic Map
 Quad: 1802
 Fort Lauderdale North


SCALE: 1"=700'
 DATE: 9/19/2022

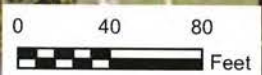
FIGURE
2



Background Source: ESRI's World Imagery

Legend

 Parcel Boundary



G:\Projects\2-1281-013\GIS\Aerial Photograph.mxd By: LG

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 Phone: 954-484-8500

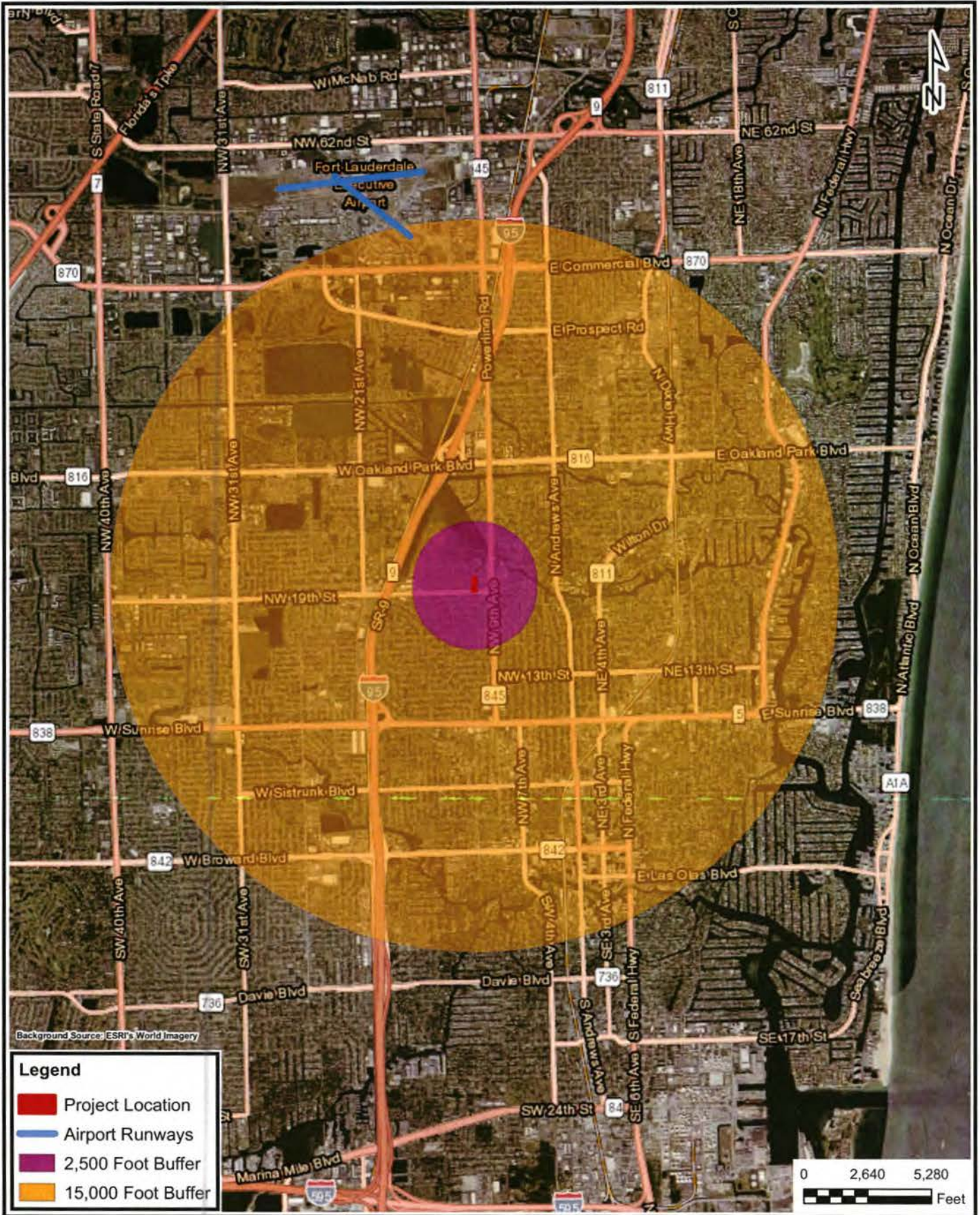
PROJECT NUMBER:
2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Aerial Photograph
 12/22/2020

SCALE: 1"=80' DATE: 9/19/2022

FIGURE
3



Background Source: ESRI's World Imagery

Legend

- Project Location
- Airport Runways
- 2,500 Foot Buffer
- 15,000 Foot Buffer

G:\Projects\2-1281-013\GIS\Airport Hazards Map.mxd By: LG

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 200 E Dania Beach Blvd, Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500

PROJECT NUMBER:
2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Airport Hazards Map

SCALE: 1"=5,280'
 DATE: 9/19/2022

FIGURE
4



G:\Projects\2-1281-013\GIS\Coastal Barrier Resources System Map.mxd By: LG

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 Phone: 954-484-8500

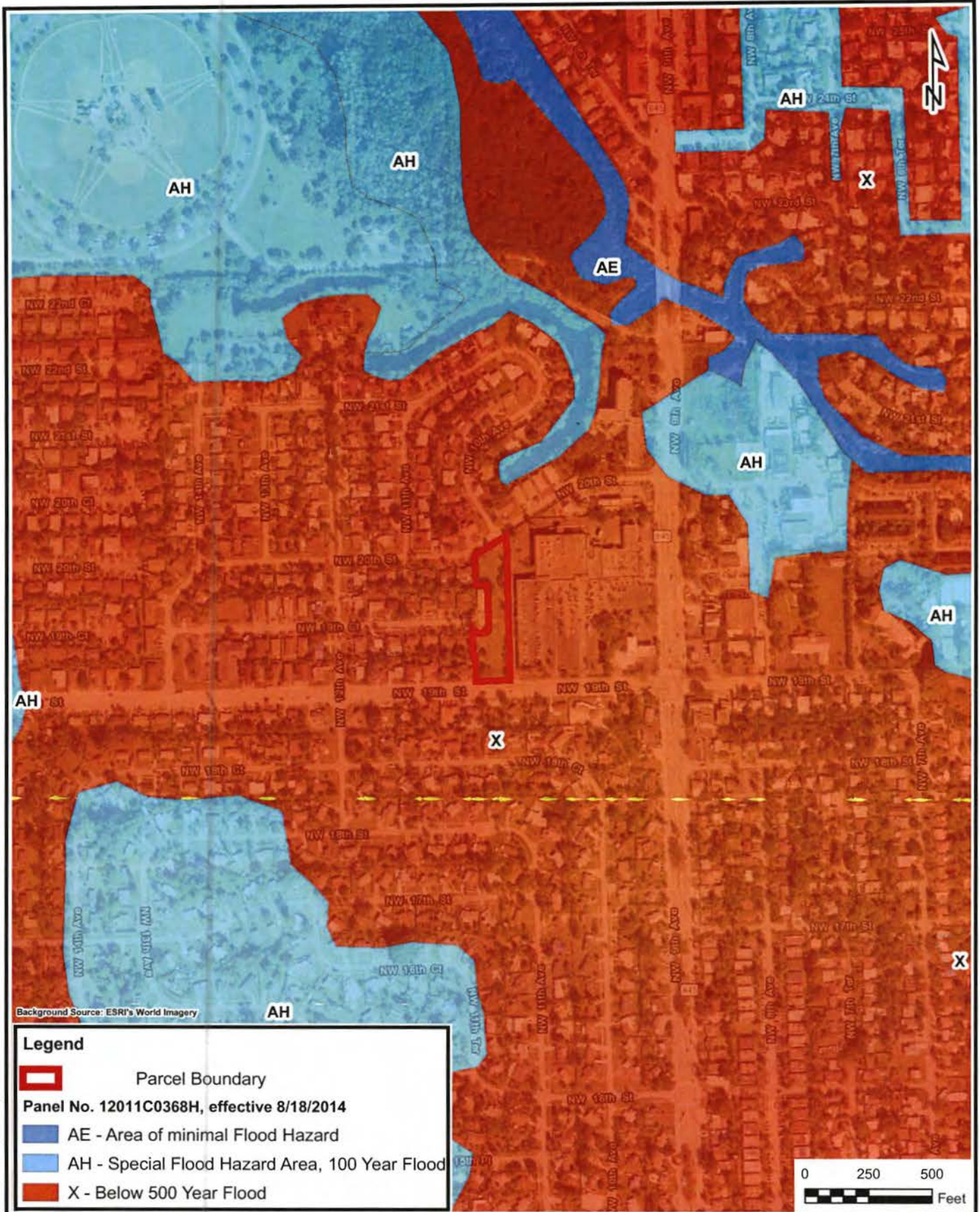
PROJECT NUMBER:
2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Coastal Barrier Resources System Map

SCALE: 1" = 700'
 DATE: 9/19/2022

FIGURE
5



Background Source: ESRI's World Imagery

Legend

- Parcel Boundary
- AE - Area of minimal Flood Hazard
- AH - Special Flood Hazard Area, 100 Year Flood
- X - Below 500 Year Flood



G:\Projects\2-1281-013\GIS\Floodplain Map.mxd By: LG

res | **ESciences**
 RES Florida Consulting, LLC d/b/a E Sciences
 200 E Dania Beach Blvd, Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500
 PROJECT NUMBER:
 2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Floodplain Map
 SCALE: 1"=500'
 DATE: 9/19/2022

FIGURE
6

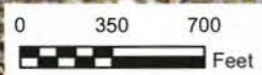


Background Source: ESRI's World Imagery

Legend

Parcel Boundary

Note: There are no recorded SHPO resources within the limits of the map.



res | **E Sciences**

RES Florida Consulting, LLC d/b/a E Sciences
 200 E Dania Beach Blvd. Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500

PROJECT NUMBER:
 2-1281-013

HUD Environmental Assessment

BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Potentially Historic Resources Map

SCALE: 1" = 700'

DATE: 9/19/2022

FIGURE

7

C:\Projects\2-1281-013\GIS\Potentially Historic Structures.mxd By: LG



G:\Projects\2-1281-013\GIS\NWI Map.mxd By: LG

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 Phone: 954-484-8500

PROJECT NUMBER:
2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

National Wetlands Inventory Map

| | |
|-------------------|--------------------|
| SCALE: 1"=600' | DATE: 9/19/2022 |
|-------------------|--------------------|

FIGURE
8



Background Source: World Street Map

Legend

- Parcel Boundary
- National and State Wild and Scenic River Systems in Florida
- Nationwide Rivers Inventory

G:\Projects\2-1281-013\GIS\Wild and Scenic Rivers Map.mxd By: LG

res | **E Sciences**

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 200 E Dania Beach Blvd, Suite 106, Dania Beach, FL 33004
 Phone: 954-484-8500

PROJECT NUMBER:
 2-1281-013

HUD Environmental Assessment
 BBI Village
 NW 19th Street Parcel
 Fort Lauderdale, Broward County, FL

Wild and Scenic Rivers Map

SCALE: 1" = 100,000' DATE: 9/19/2022

FIGURE
9

ATTACHMENT A



GLHOMES
1600 SAWGRASS CORPORATE PKWY SUITE 400
SUNRISE, FLORIDA 33323



Plan 04 Habitat 19th Street
20 Units 2022-03-25

NW 20th Street

5 Guest Sp.

15'

10.3'

10' UE

10' UE

20'

20'

10.2'

1 Guest Sp.

12.1'

20.2'

4' Overlap into UE

10' UE

OHL

Lauderdale Manors Plaza

NW 19th Court 50'

6'

Dedicated Right-of-Way

10.2'

2 Guest Sp.

20.2'

29.9'

20.1'

10' UE

1 Guest Sp.

25.1'

14.9'

10' UE

NW 19th Street





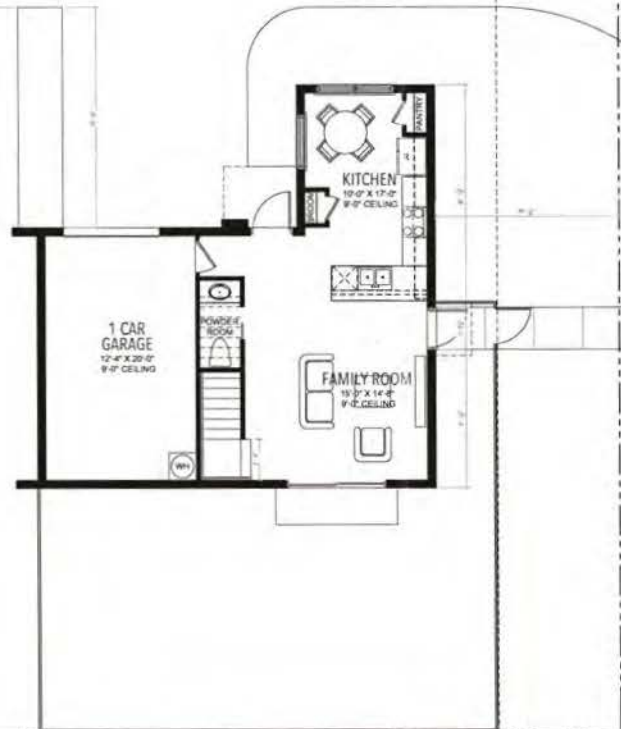




UNIT B



UNIT A



ATTACHMENT B

From: [Stahl, Chris](#)
To: [Gayle Stone](#)
Cc: [State Clearinghouse](#)
Subject: [EXTERNAL] State Clearance Letter for FL202209269599C - New Construction Of Habitat For Humanity BBI Village Subdivision In Fort Lauderdale, Broward County, Florida
Date: Wednesday, November 16, 2022 1:07:09 PM

November 16, 2022

Gayle L. Stone
RES
200 East Dania Beach Blvd, Suite 106
Dania Beach, Florida 33004

RE: Department of Housing and Urban Development, Community Development Block Grants/Entitlement Grants, New Construction of Habitat for Humanity BBI Village Subdivision in Fort Lauderdale, Broward County, Florida
SAI # FL202209269599C

Dear Gayle:

Florida State Clearinghouse staff has reviewed the proposal under the following authorities: Presidential Executive Order 12372; § 403.061(42), Florida Statutes; the Coastal Zone Management Act, 16 U.S.C. §§ 1451-1464, as amended; and the National Environmental Policy Act, 42 U.S.C. §§ 4321-4347, as amended.

Based on the information provided, the South Florida Water Management District has noted that the proposed project site (1.4 acres) the project would qualify for a 10/2 General Permit Self-Certification for the construction, alteration, and maintenance of a stormwater management system serving a total project area of up to 10 acres, with less than 2 acres of impervious surface, in accordance with Section 403.814(12), Florida Statutes.

If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The applicant shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section at (850)-245-6333. Project activities shall not resume without verbal and/or written authorization. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, Florida Statutes.

Based on the information submitted and minimal project impacts, the state has no objections to allocation of federal funds for the subject project and, therefore, the funding award is consistent

with the Florida Coastal Management Program (FCMP). The state's final concurrence of the project's consistency with the FCMP will be determined during any environmental permitting processes, in accordance with Section 373.428, Florida Statutes, if applicable.

Thank you for the opportunity to review the proposed plan. If you have any questions or need further assistance, please don't hesitate to contact me at (850) 717-9076.

Sincerely,

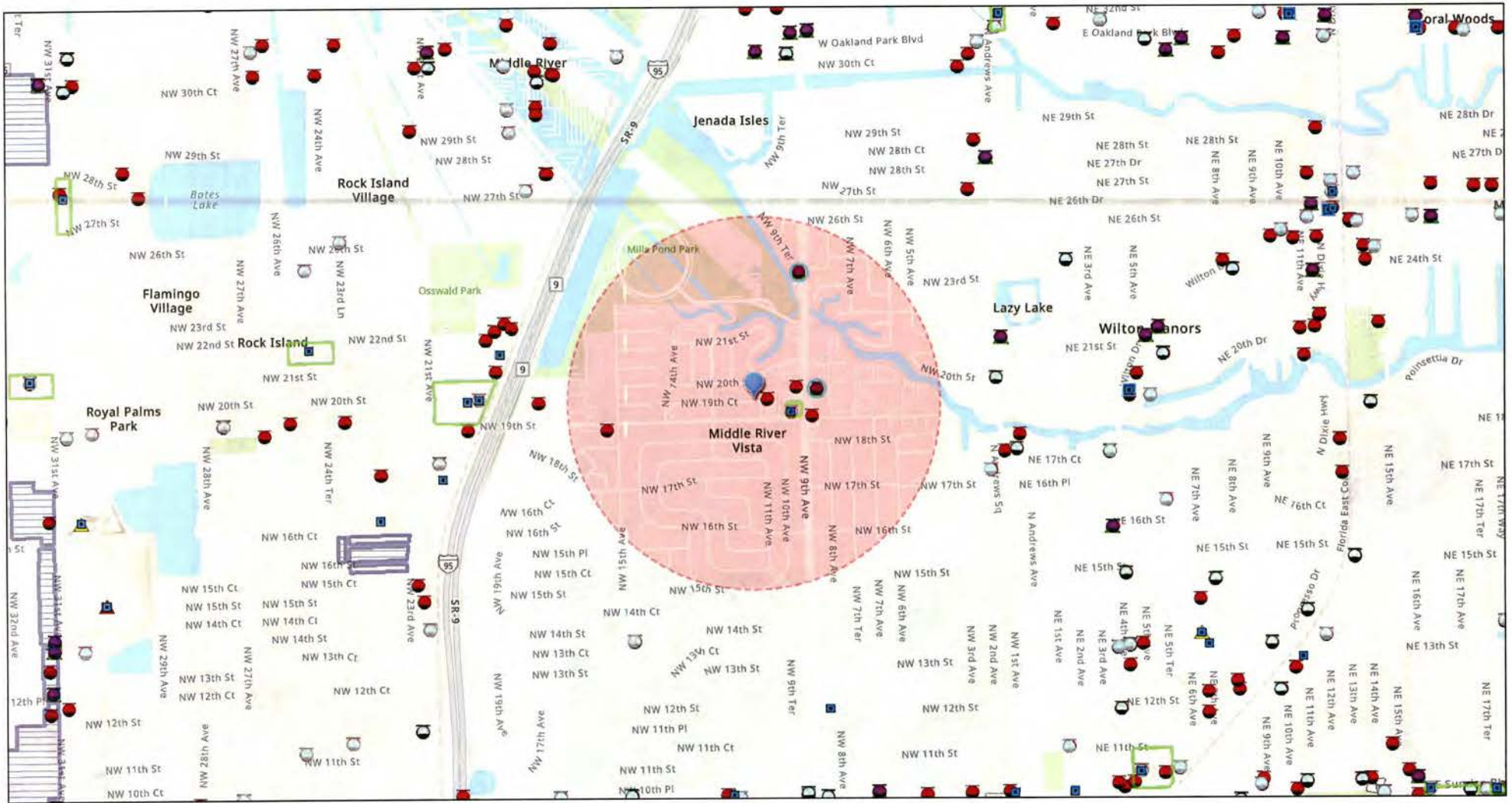
Chris Stahl

Chris Stahl, Coordinator
Florida State Clearinghouse
Florida Department of Environmental Protection
3900 Commonwealth Blvd., M.S. 47
Tallahassee, FL 32399-2400
ph. (850) 717-9076
Chris.Stahl@floridadep.gov



ATTACHMENT C

BBI Contamination Map



November 28, 2022

DEP Cleanup Sites

- ▲ OTHER WASTE CLEANUP
- ▲ PETROLEUM
- ▲ SUPERFUND
- Storage Tank Contamination Monitoring (STCM)

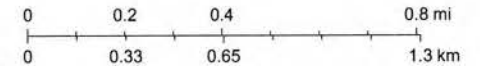
Petroleum Contamination Monitoring (PCTS) Discharges from STCM

- ELIGIBLE DISCHARGES OPEN
- INELIGIBLE DISCHARGES OPEN
- ELIGIBLE DISCHARGES COMPLETED
- INELIGIBLE DISCHARGES COMPLETED

Florida Institutional Controls Registry

- Drycleaning Solvent Program Cleanup Sites
- Brownfield Areas
- ERIC Waste Cleanup

1:18,056



FDEP, DWM, FDEP/DWM, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodastatylresen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, FDEP/DWM/BWC, FDEP/WRM, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, ©

Map created by Map Direct, powered by ESRI.

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Florida Department of Environmental Protection



Map Direct AIR (Area of Interest Report) Contamination Locator Map

Point of Interest:
 26°9'8.7615" x -80°9'23.6896"
 26.15243373874997 x -80.15658045251557
 Search Radius: 0.5 miles
 Report Created on Fri Dec 09 2022 at 14:42:27
 Map Direct v7.221208

Township/Range/Section: 49S42E28
 Fort Lauderdale, Broward County 33311
 FDEP Regulatory District: SOUTHEAST DISTRICT
 Water Management District: SFWMD
 FL House District 99 :: FL Senate District 32
 US Congressional District 20
 HUC Basin Area: Florida Southeast Coast
 Waterbody ID: 3274
 State Land DM ID: 157517



Search Result Summary

| Features Found | Data Layer | Metadata | Spreadsheet |
|---------------------------------------|---|-----------------------------------|-------------------------|
| 2 | DEP Cleanup Sites | Layer Information | Download as Spreadsheet |
| 1 | Florida Institutional Controls Registry | Layer Information | Download as Spreadsheet |
| 2 | TIGER 2010 Places (Areas) | Layer Information | Download as Spreadsheet |
| ERROR searching layer Eric PFAS Sites | | | |
| 1 | Zip Code Areas | Layer Information | Download as Spreadsheet |
| 1 | TIGER 2015 Counties | Layer Information | Download as Spreadsheet |

Search Result Details

DEP Cleanup Sites: 2 Found.

| #1 of 2 from DEP Cleanup Sites | | #2 of 2 from DEP Cleanup Sites | |
|--------------------------------|-------------------------------------|--------------------------------|--|
| DEP CLEANUP SITE KEY | 73908183 | DEP CLEANUP SITE KEY | 73908121 |
| SOURCE DATABASE NAME | STCM | SOURCE DATABASE NAME | STCM |
| SOURCE DATABASE ID | 8627841 | SOURCE DATABASE ID | 8622204 |
| CPAC PROGRAM AREA ID | TK | CPAC PROGRAM AREA ID | TK |
| CLCC CLEANUP CATEGORY KEY | PETRO | CLCC CLEANUP CATEGORY KEY | PETRO |
| RSC2 REMEDIATION STATUS KEY | ACTIVE | RSC2 REMEDIATION STATUS KEY | ACTIVE |
| DATA LOAD DATE | 12/09/2022 | DATA LOAD DATE | 12/09/2022 |
| CC2 COUNTY ID | 6 | CC2 COUNTY ID | 6 |
| OC3 OFFICE ID | SED | OC3 OFFICE ID | SED |
| BUSINESS NAME | FT LAUDERDALE RESCUE TABERNACLE INC | BUSINESS NAME | 7-ELEVEN FOOD STORE #25813-33 |
| ADDRESS1 | 1980 NW 9TH AVE | ADDRESS1 | 2349 NW 9TH AVE |
| ADDRESS2 | | ADDRESS2 | |
| CITY | FORT LAUDERDALE | CITY | WILTON MANORS |
| STCD1 STATE ID | FL | STCD1 STATE ID | FL |
| ZIP5 | 33311 | ZIP5 | 33311 |
| ZIP4 | 4002 | ZIP4 | 2308 |
| OIC OBJECT OF INTEREST ID | FACIL | OIC OBJECT OF INTEREST ID | FACIL |
| PC2 PROXIMITY ID | EXACT | PC2 PROXIMITY ID | APPRX |
| CALC COORD ACCURACY LEVEL ID | 4 | CALC COORD ACCURACY LEVEL ID | 4 |
| CMC2 COORDINATE METHOD ID | DPHO | CMC2 COORDINATE METHOD ID | DPHO |
| DC4 DATUM ID | NAD83 | DC4 DATUM ID | HARN |
| VSC1 VERIFICATION STATUS ID | REVIEWED | VSC1 VERIFICATION STATUS ID | REVIEWED |
| COLLECT USERNAME | BOWDEN_Z | COLLECT USERNAME | STONE_H |
| COLLECT DATE | 07/16/2010 | COLLECT DATE | 07/12/2005 |
| COLLECT AFFILIATION | TKHQ | COLLECT AFFILIATION | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| LATITUDE DD | 26 | LATITUDE DD | 26 |
| LATITUDE MM | 9 | LATITUDE MM | 9 |
| LATITUDE SS | 9.8048 | LATITUDE SS | 26.1211 |
| LONGITUDE DD | 80 | LONGITUDE DD | 80 |
| LONGITUDE MM | 9 | LONGITUDE MM | 9 |
| LONGITUDE SS | 14.048 | LONGITUDE SS | 16.7378 |
| MAP SOURCE | 1999 doqs | MAP SOURCE | 1999 doqs |
| MAP SOURCE | 4899 | MAP SOURCE | 5000 |

| | | | |
|-------------------------------|---|-------------------------------|---|
| SCALE | | SCALE | |
| INTERPOLATION SCALE | | INTERPOLATION SCALE | |
| VERIFIER USERNAME | WILLIAMS_CA | VERIFIER USERNAME | STONE_H |
| VERIFIER AFFILIATION | | VERIFIER AFFILIATION | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| VERIFICATION DATE | 08/17/2010 | VERIFICATION DATE | 07/12/2005 |
| VERIFIED COORDINATE METHOD ID | DPHO | VERIFIED COORDINATE METHOD ID | DPHO |
| COMMENTS | | COMMENTS | |
| DOCUMENTS | Open Web Page (https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8627841/facility!search) | DOCUMENTS | Open Web Page (https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/8622204/facility!search) |
| OBJECTID | 84 | OBJECTID | 22 |

Florida Institutional Controls Registry: 1 Found.

| #1 of 1 from Florida Institutional Controls Registry | |
|--|----------------------|
| BOUNDARY KEY | 1129 |
| CREATE USER NAME | ERIC_INIT_ICR_LOAD |
| CREATE TS | 11/29/2018 |
| PREVIOUSLY PUBLISHED IND | Y |
| DESCRIPTION | LAND USE RESTRICTION |
| BEGIN DATE | 03/08/2013 |
| END DATE | |
| COMMENTS | |
| MODIFY USER NAME | |
| MODIFY TS | |
| DC4 DATUM ID | HARN |
| CMC2 COORDINATE METHOD ID | CSUR |
| PC2 PROXIMITY ID | EXACT |
| COLLECTOR USER NAME | ERIC_INIT_ICR_LOAD |
| COLLECTION DATE | 11/29/2018 |
| OIC OBJECT OF INTEREST ID | SWIM |
| VSC1 VERIFICATION STATUS ID | REVIEWED |
| VERIFICATION DATE | |
| VERIFIER USER NAME | |
| PRIMARY FACILITY ID | STCM-8502357 |
| PRIMARY FACILITY NAME | SUNSHINE #91 |
| PRIMARY SITE ID | ERIC_6674 |
| PRIMARY SITE NAME | SUNSHINE #30091 |

| | |
|-------------------------------|---|
| PRIMARY SITE ADDRESS LINE 1 | 901 NORTHWEST 19TH STREET |
| PRIMARY SITE ADDRESS LINE 2 | |
| PRIMARY SITE CITY | FORT LAUDERDALE |
| PRIMARY SITE ZIP5 | 33311 |
| PRIMARY SITE ZIP4 | |
| PRIMARY SITE STATE | FL |
| PRIMARY SITE PROGRAM TYPE KEY | PETROLEUM |
| PRIMARY SITE MANAGING PROGRAM | Petroleum Restoration Program |
| PRIMARY SITE DEP OFFICE | SED |
| PRIMARY SITE WMD | SFWMD |
| PRIMARY SITE DOCUMENTS | Open Web Page (https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_6674/gis-facility!search) |
| BOUNDARY CONTROL ID | IC-675 |
| BOUNDARY CONTROL NAME | SUNSHINE #30091 |
| BOUNDARY MECHANISM COUNTIES | Broward |
| BOUNDARY MECHANISM CATEGORIES | Recorded ICs |
| BOUNDARY MECHANISM TYPES | Declaration of Restrictive Covenant |
| BOUNDARY MECHANISM BOOK NUMS | 49577 |
| BOUNDARY MECHANISM PAGE NUMS | 1318-1326 |
| BOUNDARY MECHANISM INSTR NUMS | |
| BOUNDARY MECHANISM EFF DATES | 08-MAR-13 |
| BOUNDARY RESTRICTIONS | Land Use |
| BOUNDARY CONTAMINATED MEDIA | Soil |
| BOUNDARY CONTAMINATIONS | PAH-Polycyclic Aromatic Hydrocarbons-Legacy |
| BOUNDARY ENGINEERING CONTROLS | None |
| ALL FACILITY IDS | STCM-8502357 |
| ALL FACILITY NAMES | SUNSHINE #91 |

| | |
|----------------|-----------------|
| ALL SITE IDS | ERIC_6674 |
| ALL SITE NAMES | SUNSHINE #30091 |
| OBJECTID | 1961 |

TIGER 2010 Places (Areas): 2 Found.

| #1 of 2 from TIGER 2010 Places (Areas) | #2 of 2 from TIGER 2010 Places (Areas) | | |
|--|--|-----------------------------|----------------------|
| OBJECTID | 737 | OBJECTID | 723 |
| STATEFP10 | 12 | STATEFP10 | 12 |
| PLACEFP10 | 78000 | PLACEFP10 | 24000 |
| PLACENS10 | 02405760 | PLACENS10 | 02403640 |
| GEOID10 | 1278000 | GEOID10 | 1224000 |
| NAME10 | Wilton Manors | NAME10 | Fort Lauderdale |
| NAMELSAD10 | Wilton Manors city | NAMELSAD10 | Fort Lauderdale city |
| LSAD10 | 25 | LSAD10 | 25 |
| CLASSFP10 | C1 | CLASSFP10 | C1 |
| PCICBSA10 | N | PCICBSA10 | Y |
| PCINECTA10 | N | PCINECTA10 | N |
| MTFCC10 | G4110 | MTFCC10 | G4110 |
| FUNSTAT10 | A | FUNSTAT10 | A |
| ALAND10 | 5069576 | ALAND10 | 90041713 |
| AWATER10 | 0 | AWATER10 | 9858051 |
| INTPTLAT10 | +26.1593293 | INTPTLAT10 | +26.1413050 |
| INTPTLON10 | -080.1392700 | INTPTLON10 | -080.1438960 |
| TOT POP | 11632 | TOT POP | 165521 |
| TOT POP PERCENT | 100 | TOT POP PERCENT | 100 |
| ONE RACE TOTAL | 11414 | ONE RACE TOTAL | 162010 |
| ONE RACE TOTAL PERCENT | 98.1 | ONE RACE TOTAL PERCENT | 97.9 |
| WHITE | 9396 | WHITE | 103675 |
| WHITE PERCENT | 80.8 | WHITE PERCENT | 62.6 |
| BLACK AF AM | 1440 | BLACK AF AM | 51240 |
| BLACK AF AM PERCENT | 12.4 | BLACK AF AM PERCENT | 31 |
| AM IN ALASKA NATIVE | 30 | AM IN ALASKA NATIVE | 439 |
| AM IN ALASKA NATIVE PERCENT | 0.3 | AM IN ALASKA NATIVE PERCENT | 0.3 |
| ASIAN | 252 | ASIAN | 2444 |
| ASIAN PERCENT | 2.2 | ASIAN PERCENT | 1.5 |
| NAT HAWAII | 3 | NAT HAWAII | 85 |
| NAT HAWAII PERCENT | 0 | NAT HAWAII PERCENT | 0.1 |
| HISPANIC LATINO | 1498 | HISPANIC LATINO | 22752 |
| HISPANIC LATINO PERCENT | 12.9 | HISPANIC LATINO PERCENT | 13.7 |
| OTHER | 293 | OTHER | 4127 |
| OTHER PERCENT | 2.5 | OTHER PERCENT | 2.5 |
| TWO MORE RACES | 218 | TWO MORE RACES | 3511 |
| TWO MORE RACES PERCENT | 1.9 | TWO MORE RACES PERCENT | 2.1 |
| AREA SQ METERS | 5069577.27 | AREA SQ METERS | 99899766.8 |
| AREA SQ MILES | 1.957367 | AREA SQ MILES | 38.571361 |
| POP DENSITY | 0.002294 | POP DENSITY | 0.001657 |
| SHAPE.AREA | 5069577.270553 | SHAPE.AREA | 99899766.857395 |
| SHAPE.LEN | 12587.912112 | SHAPE.LEN | 101480.774676 |

Zip Code Areas: 1 Found.

#1 of 1 from Zip Code Areas

| | |
|------------------|-----------------|
| OBJECTID | 267 |
| ZIPCODE | 33311 |
| POST OFFICE NAME | Fort Lauderdale |
| AREA SQ MILES | 10.77 |
| SHAPE.AREA | 27894429.949935 |
| SHAPE.LEN | 21535.450347 |

TIGER 2015 Counties: 1 Found.

#1 of 1 from TIGER 2015 Counties

| | |
|------------|------------------|
| OBJECTID | 44 |
| STATEFP20 | 12 |
| COUNTYFP20 | 011 |
| COUNTYNS20 | 00295753 |
| GEOID20 | 12011 |
| NAME20 | Broward |
| NAMELSAD20 | Broward County |
| LSAD20 | 06 |
| CLASSFP20 | H1 |
| MTFCC20 | G4020 |
| CSAFP20 | 370 |
| CBSAFP20 | 33100 |
| METDIVFP20 | 22744 |
| FUNCSTAT20 | A |
| ALAND20 | 3115058072 |
| AWATER20 | 273491305 |
| INTPTLAT20 | +26.1935353 |
| INTPTLON20 | -080.4766834 |
| SHAPE.AREA | 3388549865.18664 |
| SHAPE.LEN | 253580.83333 |

Errors and Warnings:

Error searching layer Eric PFAS Sites: Failed to execute query.

*** END OF REPORT ***

ATTACHMENT D

Printer Friendly View

Download as PDF



Florida Department
of Environmental Protection



Map Direct AIR (Area of Interest Report)
Standard Map

Point of Interest:

26°9'11.0808" x -80°9'23.6012"

26.153078007032647 x -80.15655589302457

Search Radius: .5 miles

Report Created on Fri Dec 09 2022 at 11:51:35

Map Direct v7.221208

Township/Range/Section: 49S42E28

Fort Lauderdale, Broward County 33311

FDEP Regulatory District: SOUTHEAST DISTRICT

Water Management District: SFWMD

FL House District 99 :: FL Senate District 32

US Congressional District 20

HUC Basin Area: Florida Southeast Coast

Waterbody ID: 3274

State Land DM ID: 157517



Search Result Summary

| Features Found | Data Layer | Metadata | Spreadsheet |
|----------------|--|-------------------|---|
| 7 | Registered Tanks from Storage Tank Contamination Monitoring (STCM) | Layer Information | Download as Spreadsheet |

Search Result Details

REGISTERED TANKS FROM STORAGE TANK CONTAMINATION MONITORING (STCM): 7 FOUND. [BACK TO SEARCH RESULTS SUMMARY](#)

| #1 Of 7 From Registered Tanks From Storage Tank Contamination Monitoring (STCM) | | #2 Of 7 From Registered Tanks From Storage Tank Contamination Monitoring (STCM) | |
|---|-------------------------------|---|-----------------|
| FACILITY ID | 8622204 | FACILITY ID | 8622429 |
| REGULATED | N | REGULATED | Y |
| CC COUNTY ID | 6 | CC COUNTY ID | 6 |
| COUNTY | BROWARD | COUNTY | BROWARD |
| FACILITY NAME | 7-ELEVEN FOOD STORE #25813-33 | FACILITY NAME | VALERO |
| ADDRESS1 | 2349 NW 9TH AVE | ADDRESS1 | 1900 NW 9TH AVE |
| CITY | WILTON MANORS | CITY | FORT LAUDERDALE |
| ZIP5 | 33311 | ZIP5 | 33311 |
| FACILITY STATUS | CLOSED | FACILITY STATUS | OPEN |
| FACILITY TYPE CODE | A | FACILITY TYPE CODE | A |
| FACILITY TYPE | Retail Station | FACILITY TYPE | Retail Station |
| FACILITY CLEANUP STATUS CODE | ONGO | FACILITY CLEANUP STATUS CODE | |
| FACILITY CLEANUP STATUS | ONGOING | FACILITY CLEANUP STATUS | |
| CLEANUP STATUS EFFECTIVE DATE | 11/08/2015 | CLEANUP STATUS EFFECTIVE DATE | |
| LOC ID | 21681 | LOC ID | 21581 |
| STATUS | REVIEWED | STATUS | REVIEWED |
| LAT DD | 26 | LAT DD | 26 |
| LAT MM | 9 | LAT MM | 9 |

| | |
|------------|---|
| LAT SS | 26.1211 |
| LONG DD | 80 |
| LONG MM | 9 |
| LONG SS | 16.7378 |
| OOIC | FACILITY |
| REL FEAT | APPRX |
| ALB EAST | 783749.58 |
| ALB NORTH | 245183.82 |
| DATUM | HARN |
| COL METH | DPHO |
| COL NAME | STONE_H |
| COL DATE | 07/12/2005 |
| COL AFF | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| COL PROG | TANKS-PETROLEUM CONTAMINATION |
| MAP SRC | 1999 Doqs |
| MAP SCALE | 5000 |
| COORD ACC | 4 |
| VER METH | DPHO |
| VER NAME | STONE_H |
| VER AFF | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| VER PROG | TANKS-PETROLEUM CONTAMINATION |
| VER DATE | 07/12/2005 |
| ELEVATION | |
| EL DATUM | |
| EL RESOLUT | |
| EL UNITS | |
| DIRECT | |
| DOCUMENTS | Open Web Page (https://ProdenV.Dep.State.FI.Us/DepNexus/Public/Electronic-Documents/8622204/Gis-Facility/Search) |
| OBJECTID | 10901 |

#3 Of 7 From Registered Tanks From Storage Tank Contamination Monitoring (STCM)

| | |
|---------------|--------------|
| FACILITY ID | 8502357 |
| REGULATED | Y |
| CC COUNTY ID | 6 |
| COUNTY | BROWARD |
| FACILITY NAME | SUNSHINE #91 |

| | |
|------------|---|
| LAT SS | 6.1086 |
| LONG DD | 80 |
| LONG MM | 9 |
| LONG SS | 14.8338 |
| OOIC | FACILITY |
| REL FEAT | EXACT |
| ALB EAST | 783821.74 |
| ALB NORTH | 244569.16 |
| DATUM | WGS84 |
| COL METH | DGPS |
| COL NAME | HYDE_J |
| COL DATE | 01/02/2004 |
| COL AFF | FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| COL PROG | TANKS-PETROLEUM CONTAMINATION |
| MAP SRC | 1999 Doqs |
| MAP SCALE | 4899 |
| COORD ACC | 3 |
| VER METH | DPHO |
| VER NAME | HYDE_J |
| VER AFF | FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| VER PROG | TANKS-PETROLEUM CONTAMINATION |
| VER DATE | 01/02/2004 |
| ELEVATION | |
| EL DATUM | |
| EL RESOLUT | |
| EL UNITS | |
| DIRECT | |
| DOCUMENTS | Open Web Page (https://ProdenV.Dep.State.FI.Us/DepNexus/Public/Electronic-Documents/8622429/Gis-Facility/Search) |
| OBJECTID | 11709 |

#4 Of 7 From Registered Tanks From Storage Tank Contamination Monitoring (STCM)

| | |
|---------------|-------------------------------------|
| FACILITY ID | 8627841 |
| REGULATED | N |
| CC COUNTY ID | 6 |
| COUNTY | BROWARD |
| FACILITY NAME | FT LAUDERDALE RESCUE TABERNACLE INC |

| | |
|-------------------------------|--|
| ADDRESS1 | 901 NW 19TH ST |
| CITY | FORT LAUDERDALE |
| ZIP5 | 33311 |
| FACILITY STATUS | OPEN |
| FACILITY TYPE CODE | A |
| FACILITY TYPE | Retail Station |
| FACILITY CLEANUP STATUS CODE | CMPL |
| FACILITY CLEANUP STATUS | COMPLETED |
| CLEANUP STATUS EFFECTIVE DATE | 04/26/2022 |
| LOC ID | 21928 |
| STATUS | REVIEWED |
| LAT DD | 26 |
| LAT MM | 9 |
| LAT SS | 6.6525 |
| LONG DD | 80 |
| LONG MM | 9 |
| LONG SS | 18.0264 |
| OOIC | FACILITY |
| REL FEAT | EXACT |
| ALB EAST | 783733.44 |
| ALB NORTH | 244583.02 |
| DATUM | WGS84 |
| COL METH | DGPS |
| COL NAME | HYDE_J |
| COL DATE | 01/02/2004 |
| COL AFF | FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| COL PROG | TANKS-PETROLEUM CONTAMINATION |
| MAP SRC | 1999 Doqs |
| MAP SCALE | 4899 |
| COORD ACC | 3 |
| VER METH | DPHO |

| | |
|-------------------------------|-------------------------------|
| ADDRESS1 | 1980 NW 9TH AVE |
| CITY | FORT LAUDERDALE |
| ZIP5 | 33311 |
| FACILITY STATUS | CLOSED |
| FACILITY TYPE CODE | C |
| FACILITY TYPE | Fuel User/Non-Retail |
| FACILITY CLEANUP STATUS CODE | ONGO |
| FACILITY CLEANUP STATUS | ONGOING |
| CLEANUP STATUS EFFECTIVE DATE | 12/19/2011 |
| LOC ID | 21335 |
| STATUS | REVIEWED |
| LAT DD | 26 |
| LAT MM | 9 |
| LAT SS | 9.8048 |
| LONG DD | 80 |
| LONG MM | 9 |
| LONG SS | 14.048 |
| OOIC | FACILITY |
| REL FEAT | EXACT |
| ALB EAST | 783944.37 |
| ALB NORTH | 244809.64 |
| DATUM | NAD83 |
| COL METH | DPHO |
| COL NAME | BOWDEN_Z |
| COL DATE | 07/16/2010 |
| COL AFF | TKHQ |
| COL PROG | TANKS-PETROLEUM CONTAMINATION |
| MAP SRC | 1999 Doqs |
| MAP SCALE | 4899 |
| COORD ACC | 4 |
| VER METH | DPHO |

| | |
|------------|---|
| VER NAME | HYDE_J |
| VER AFF | FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| VER PROG | TANKS-PETROLEUM CONTAMINATION |
| VER DATE | 01/02/2004 |
| ELEVATION | |
| EL DATUM | |
| EL RESOLUT | |
| EL UNITS | |
| DIRECT | |
| DOCUMENTS | Open Web Page (https://Prodenv.Dep.State.Fl.Us/DepNexus/Public/Electronic-Documents/8502357/Gis-Facility!Search) |
| OBJECTID | 1070 |

| | |
|------------|---|
| VER NAME | WILLIAMS_CA |
| VER AFF | |
| VER PROG | TANKS-PETROLEUM CONTAMINATION |
| VER DATE | 08/17/2010 |
| ELEVATION | |
| EL DATUM | |
| EL RESOLUT | |
| EL UNITS | |
| DIRECT | |
| DOCUMENTS | Open Web Page (https://Prodenv.Dep.State.Fl.Us/DepNexus/Public/Electronic-Documents/8627841/Gis-Facility!Search) |
| OBJECTID | 16755 |

#5 Of 7 From Registered Tanks From Storage Tank Contamination Monitoring (STCM)

| | |
|-------------------------------|---------------------------|
| FACILITY ID | 8733100 |
| REGULATED | N |
| CC COUNTY ID | 6 |
| COUNTY | BROWARD |
| FACILITY NAME | A&J TIRE & SERVICE CENTER |
| ADDRESS1 | 1953 NW 9TH AVE |
| CITY | FORT LAUDERDALE |
| ZIP5 | 33311 |
| FACILITY STATUS | CLOSED |
| FACILITY TYPE CODE | C |
| FACILITY TYPE | Fuel User/Non-Retail |
| FACILITY CLEANUP STATUS CODE | |
| FACILITY CLEANUP STATUS | |
| CLEANUP STATUS EFFECTIVE DATE | |
| LOC ID | 21070 |

#6 Of 7 From Registered Tanks From Storage Tank Contamination Monitoring (STCM)

| | |
|-------------------------------|-------------------------------|
| FACILITY ID | 8838216 |
| REGULATED | N |
| CC COUNTY ID | 6 |
| COUNTY | BROWARD |
| FACILITY NAME | FAMILY CORNER GAS & MINI MART |
| ADDRESS1 | 1500 NW 19TH ST |
| CITY | FORT LAUDERDALE |
| ZIP5 | 33311 |
| FACILITY STATUS | CLOSED |
| FACILITY TYPE CODE | A |
| FACILITY TYPE | Retail Station |
| FACILITY CLEANUP STATUS CODE | |
| FACILITY CLEANUP STATUS | |
| CLEANUP STATUS EFFECTIVE DATE | |
| LOC ID | 20808 |

| | |
|------------|---|
| STATUS | REVIEWED |
| LAT DD | 26 |
| LAT MM | 9 |
| LAT SS | 10.1673 |
| LONG DD | 80 |
| LONG MM | 9 |
| LONG SS | 17.2189 |
| OOIC | FACILITY |
| REL FEAT | APPRX |
| ALB EAST | 783752.23 |
| ALB NORTH | 244691.9 |
| DATUM | HARN |
| COL METH | DPHO |
| COL NAME | THORNTON_A |
| COL DATE | 02/24/2006 |
| COL AFF | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| COL PROG | TANKS-PETROLEUM CONTAMINATION |
| MAP SRC | 1999 Doqs |
| MAP SCALE | 2735 |
| COORD ACC | 4 |
| VER METH | DPHO |
| VER NAME | THORNTON_A |
| VER AFF | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| VER PROG | TANKS-PETROLEUM CONTAMINATION |
| VER DATE | 02/24/2006 |
| ELEVATION | |
| EL DATUM | |
| EL RESOLUT | |
| EL UNITS | |
| DIRECT | |
| DOCUMENTS | Open Web Page (https://prodenv.dep.state.fl.us/DepNexus/Public/Electronic-Documents/8733100/Gis-Facility!Search) |
| OBJECTID | 23623 |

7 Of 7 From Registered Tanks From Storage Tank Contamination Monitoring (STCM)

| | |
|--------------|---------|
| FACILITY ID | 8840458 |
| REGULATED | N |
| CC COUNTY ID | 6 |

| | |
|------------|---|
| STATUS | REVIEWED |
| LAT DD | 26 |
| LAT MM | 9 |
| LAT SS | 4.1101 |
| LONG DD | 80 |
| LONG MM | 9 |
| LONG SS | 46.5843 |
| OOIC | FACILITY |
| REL FEAT | CENTR |
| ALB EAST | 782944.43 |
| ALB NORTH | 244479.76 |
| DATUM | HARN |
| COL METH | DPHO |
| COL NAME | THORNTON_A |
| COL DATE | 01/25/2006 |
| COL AFF | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| COL PROG | TANKS-PETROLEUM CONTAMINATION |
| MAP SRC | 1999 Doqs |
| MAP SCALE | 2365 |
| COORD ACC | 4 |
| VER METH | DPHO |
| VER NAME | THORNTON_A |
| VER AFF | DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| VER PROG | TANKS-PETROLEUM CONTAMINATION |
| VER DATE | 01/25/2006 |
| ELEVATION | |
| EL DATUM | |
| EL RESOLUT | |
| EL UNITS | |
| DIRECT | |
| DOCUMENTS | Open Web Page (https://prodenv.dep.state.fl.us/DepNexus/Public/Electronic-Documents/8838216/Gis-Facility!Search) |
| OBJECTID | 25726 |

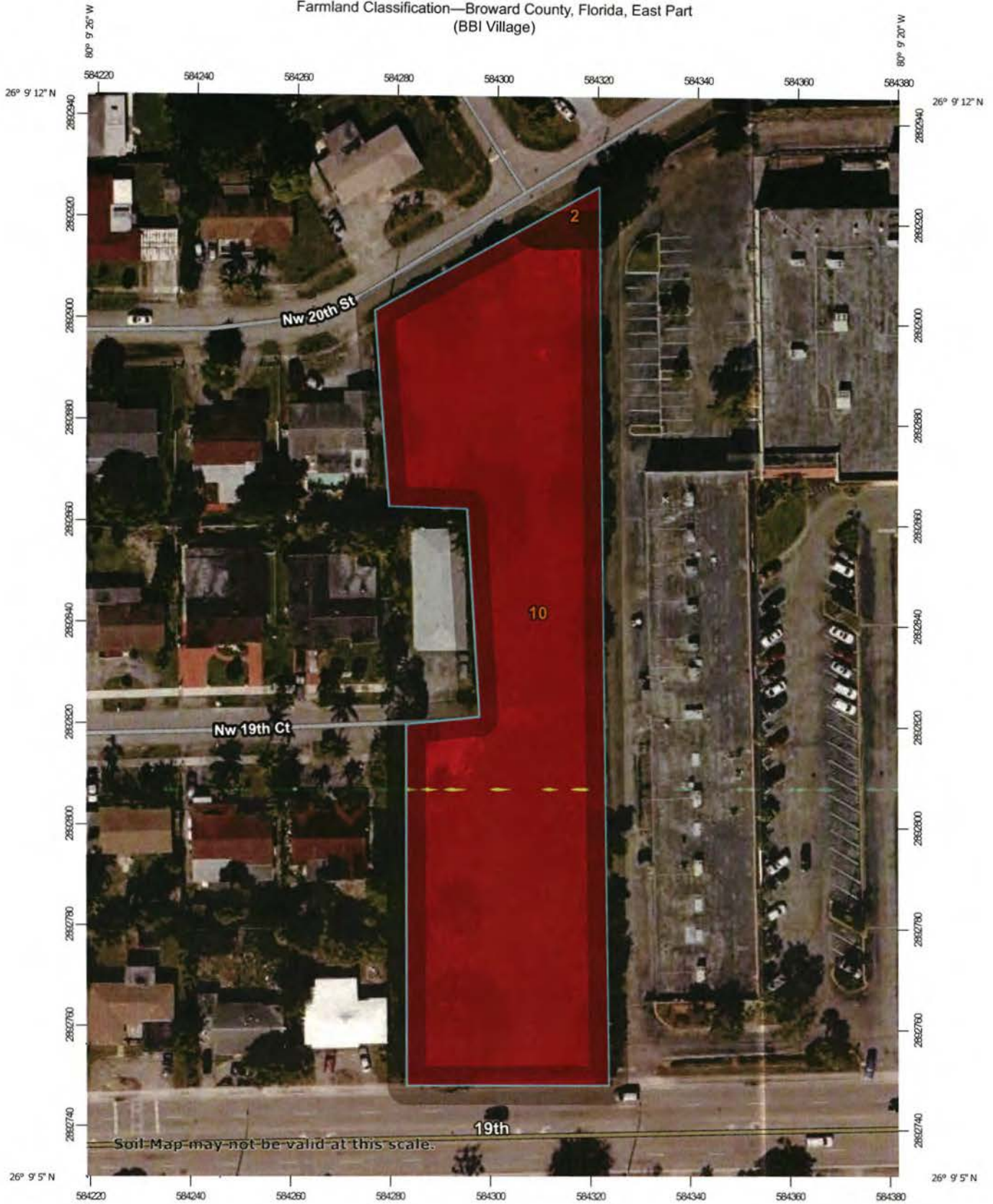
| | |
|-------------------------------|--|
| COUNTY | BROWARD |
| FACILITY NAME | LAUDERDALE MANORS COIN LAUNDRY |
| ADDRESS1 | 1925 NW 9TH AVE |
| CITY | FORT LAUDERDALE |
| ZIP5 | 33311 |
| FACILITY STATUS | OPEN |
| FACILITY TYPE CODE | C |
| FACILITY TYPE | Fuel User/Non-Retail |
| FACILITY CLEANUP STATUS CODE | |
| FACILITY CLEANUP STATUS | |
| CLEANUP STATUS EFFECTIVE DATE | |
| LOC ID | 20732 |
| STATUS | REVIEWED |
| LAT DD | 26 |
| LAT MM | 9 |
| LAT SS | 8.4446 |
| LONG DD | 80 |
| LONG MM | 9 |
| LONG SS | 21.753 |
| OOIC | FACILITY |
| REL FEAT | EXACT |
| ALB EAST | 783628.12 |
| ALB NORTH | 244634.91 |
| DATUM | WGS84 |
| COL METH | DGPS |
| COL NAME | HYDE_J |
| COL DATE | 01/02/2004 |
| COL AFF | FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| COL PROG | TANKS-PETROLEUM CONTAMINATION |
| MAP SRC | 1999 Doqs |

| | |
|------------|---|
| MAP SCALE | 2449 |
| COORD ACC | 3 |
| VER METH | DPHO |
| VER NAME | HYDE_J |
| VER AFF | FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION |
| VER PROG | TANKS-PETROLEUM CONTAMINATION |
| VER DATE | 01/02/2004 |
| ELEVATION | |
| EL DATUM | |
| EL RESOLUT | |
| EL UNITS | |
| DIRECT | |
| DOCUMENTS | Open Web Page (https://prodenv.dep.state.fl.us/DepNexus/Public/Electronic-Documents/8840458/Gis-Facility/Search) |
| OBJECTID | 30418 |

*** END OF REPORT ***

ATTACHMENT E

Farmland Classification—Broward County, Florida, East Part
(BBI Village)



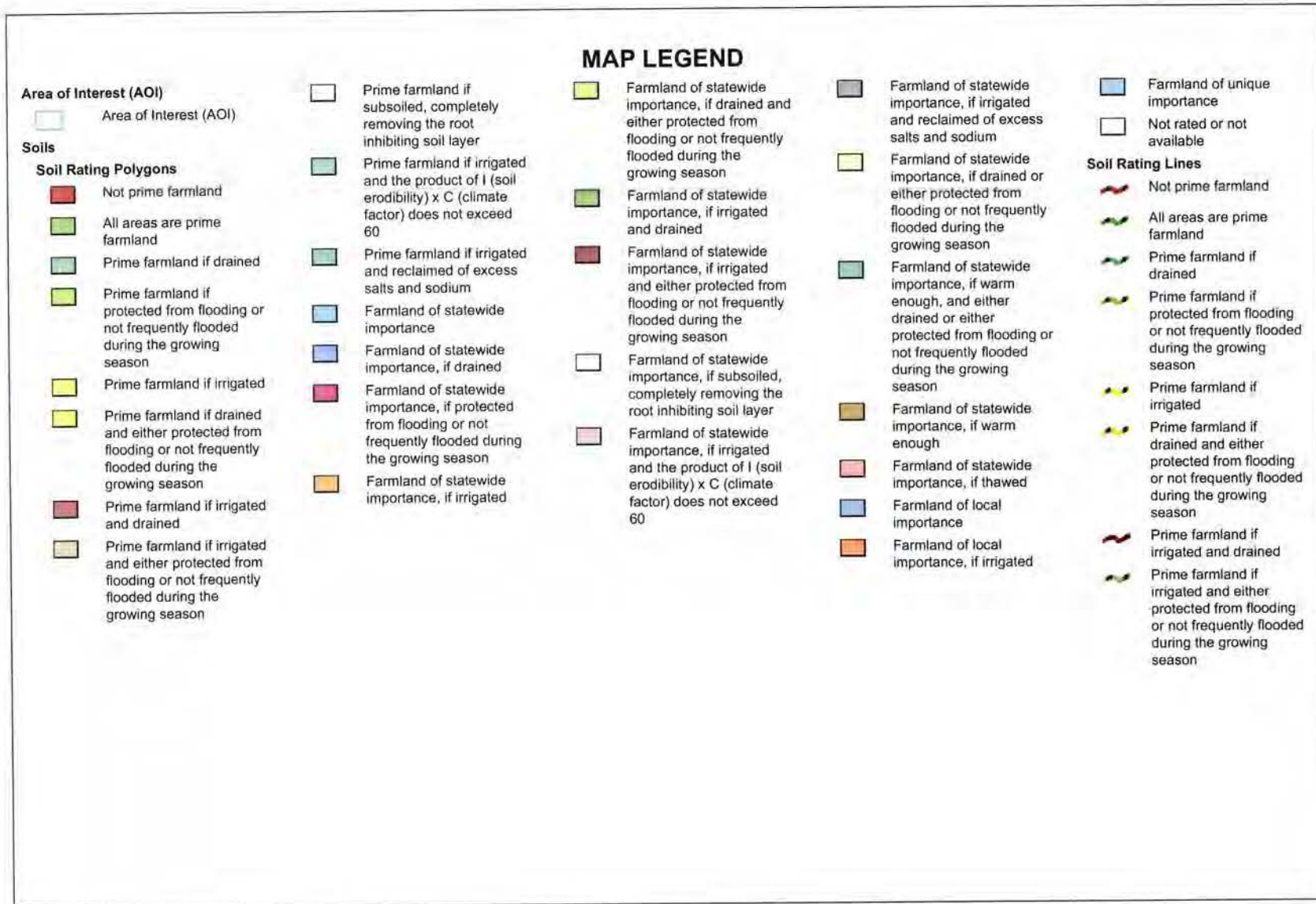
Map Scale: 1:1,050 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84



Farmland Classification—Broward County, Florida, East Part
(BBI Village)



Farmland Classification—Broward County, Florida, East Part
(BBI Village)

| | | | | | | | | | | |
|--|--|--|---|--|--|--|-------------------------------|--|---|--|
| | Prime farmland if subsoiled, completely removing the root inhibiting soil layer | | Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season | | Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium | | Farmland of unique importance | | Prime farmland if subsoiled, completely removing the root inhibiting soil layer | |
| | Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60 | | Farmland of statewide importance, if irrigated and drained | | Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season | | Not rated or not available | | Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60 | |
| | Prime farmland if irrigated and reclaimed of excess salts and sodium | | Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season | | Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season | | Soil Rating Points | | Prime farmland if irrigated and reclaimed of excess salts and sodium | |
| | Farmland of statewide importance | | Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer | | Farmland of statewide importance, if thawed | | | Not prime farmland | | Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season |
| | Farmland of statewide importance, if drained | | Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60 | | Farmland of local importance | | | All areas are prime farmland | | Farmland of statewide importance |
| | Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season | | | | Farmland of local importance, if irrigated | | | Prime farmland if drained | | Farmland of statewide importance, if drained |
| | Farmland of statewide importance, if irrigated | | | | | | | Prime farmland if protected from flooding or not frequently flooded during the growing season | | Farmland of statewide importance, if protected from flooding or not frequently flooded during the growing season |
| | | | | | | | | Prime farmland if irrigated | | Farmland of statewide importance, if irrigated |
| | | | | | | | | Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season | | |
| | | | | | | | | Prime farmland if irrigated and drained | | |
| | | | | | | | | Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season | | |

Farmland Classification—Broward County, Florida, East Part
(BBI Village)

| | | | |
|---|---|---|---|
| <ul style="list-style-type: none"> Farmland of statewide importance, if drained and either protected from flooding or not frequently flooded during the growing season Farmland of statewide importance, if irrigated and drained Farmland of statewide importance, if irrigated and either protected from flooding or not frequently flooded during the growing season Farmland of statewide importance, if subsoiled, completely removing the root inhibiting soil layer Farmland of statewide importance, if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60 | <ul style="list-style-type: none"> Farmland of statewide importance, if irrigated and reclaimed of excess salts and sodium Farmland of statewide importance, if drained or either protected from flooding or not frequently flooded during the growing season Farmland of statewide importance, if warm enough, and either drained or either protected from flooding or not frequently flooded during the growing season Farmland of statewide importance, if warm enough Farmland of statewide importance, if thawed Farmland of local importance Farmland of local importance, if irrigated | <ul style="list-style-type: none"> Farmland of unique importance Not rated or not available <p>Water Features</p> <ul style="list-style-type: none"> Streams and Canals <p>Transportation</p> <ul style="list-style-type: none"> Rails Interstate Highways US Routes Major Roads Local Roads <p>Background</p> <ul style="list-style-type: none"> Aerial Photography | <p>The soil surveys that comprise your AOI were mapped at 1:20,000.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Warning: Soil Map may not be valid at this scale.</p> <p>Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.</p> </div> <p>Please rely on the bar scale on each map sheet for map measurements.</p> <p>Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)</p> <p>Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.</p> <p>This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.</p> <p>Soil Survey Area: Broward County, Florida, East Part Survey Area Data: Version 18, Sep 1, 2022</p> <p>Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.</p> <p>Date(s) aerial images were photographed: Jan 14, 2022—Jan 24, 2022</p> <p>The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.</p> |
|---|---|---|---|

Farmland Classification

| Map unit symbol | Map unit name | Rating | Acres in AOI | Percent of AOI |
|------------------------------------|---------------------------|--------------------|--------------|----------------|
| 2 | Arents-Urban land complex | Not prime farmland | 0.0 | 1.0% |
| 10 | Duette-Urban land complex | Not prime farmland | 1.5 | 99.0% |
| Totals for Area of Interest | | | 1.6 | 100.0% |

Description

Farmland classification identifies map units as prime farmland, farmland of statewide importance, farmland of local importance, or unique farmland. It identifies the location and extent of the soils that are best suited to food, feed, fiber, forage, and oilseed crops. NRCS policy and procedures on prime and unique farmlands are published in the "Federal Register," Vol. 43, No. 21, January 31, 1978.

Rating Options

Aggregation Method: No Aggregation Necessary

Tie-break Rule: Lower

ATTACHMENT F



FLORIDA DEPARTMENT of STATE

RON DESANTIS
Governor

CORD BYRD
Secretary of State

Gayle Stone
RES Florida Consulting, LLC
200 E Dania Beach Boulevard, Suite 106
Dania Beach, Florida 33004

October 19, 2022

RE: DHR Project File No.: 2022-6645
Project: *BBI Village, NW 19th Street Parcel Fort Lauderdale, Broward County, Florida Project Number 2-1281-013*
County: Broward

Ms. Stone:

The Florida State Historic Preservation Officer reviewed the referenced project for possible effects on historic properties listed, or eligible for listing, in the *National Register of Historic Places*. The review was conducted in accordance with Section 106 of the *National Historic Preservation Act of 1966*, as amended, and its implementing regulations in *36 CFR Part 800: Protection of Historic Properties*.

It is the opinion of this office that the proposed project will have no effect on historic properties. However, due to ground disturbing activities, the following special condition regarding unexpected discoveries should be included during project activities:

- If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The applicant shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section at (850)-245-6333. Project activities shall not resume without verbal and/or written authorization. In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, *Florida Statutes*.

If you have any questions, please contact Alayna Gould, Historic Preservationist, by email at Alayna.Gould@dos.myflorida.com, or by telephone at 850-245-6343.

Division of Historical Resources
R.A. Gray Building • 500 South Bronough Street • Tallahassee, Florida 32399
850.245.6300 • 850.245.6436 (Fax) • FLHeritage.com



Sincerely,

Kelly L Chase
For

Alissa Slade Lotane
Director, Division of Historical Resources
& State Historic Preservation Officer

ATTACHMENT G

Florida Traffic Online: Car & Truck AADT

- Car Annual Average Daily Traffic (AADT) for NW 19th Street & Powerline Road



- Truck AADT for NW 19th Street & Powerline Road



[Home \(/\)](#) > [Programs \(/programs/\)](#) > [Environmental Review \(/programs/environmental-review/\)](#) > DNL Calculator

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the [Day/Night Noise Level Calculator Electronic Assessment Tool Overview \(/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/\)](#).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID

Record Date

User's Name

Road # 1 Name:

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input type="checkbox"/> | Heavy Trucks <input checked="" type="checkbox"/> |
|------------------------------|---|---|---|
| Effective Distance | <input type="text" value="70"/> | | <input type="text" value="70"/> |
| Distance to Stop Sign | <input type="text"/> | | <input type="text"/> |
| Average Speed | <input type="text" value="35"/> | | <input type="text" value="35"/> |
| Average Daily Trips (ADT) | <input type="text" value="14000"/> | | <input type="text" value="2002"/> |
| Night Fraction of ADT | <input type="text" value="15"/> | | <input type="text" value="15"/> |
| Road Gradient (%) | | | <input type="text" value="0"/> |
| Vehicle DNL | 63 | 0 | 74 |
| Calculate Road #1 DNL | 74 | Reset | |

Road # 2 Name:

Road #2

Vehicle Type **Cars** **Medium Trucks** **Heavy Trucks**

| | | |
|---------------------------|------------------------------------|-----------------------------------|
| Effective Distance | <input type="text" value="650"/> | <input type="text" value="650"/> |
| Distance to Stop Sign | <input type="text"/> | <input type="text"/> |
| Average Speed | <input type="text" value="40"/> | <input type="text" value="40"/> |
| Average Daily Trips (ADT) | <input type="text" value="23000"/> | <input type="text" value="1564"/> |
| Night Fraction of ADT | <input type="text" value="15"/> | <input type="text" value="15"/> |
| Road Gradient (%) | | <input type="text" value="0"/> |

| | | | |
|--|----|--------------------------------------|----|
| Vehicle DNL | 52 | 0 | 58 |
| <input type="button" value="Calculate Road #2 DNL"/> | 59 | <input type="button" value="Reset"/> | |

| | |
|--|--|
| <input type="button" value="Add Road Source"/> | <input type="button" value="Add Rail Source"/> |
|--|--|

Airport Noise Level

Loud Impulse Sounds? Yes No

Combined DNL for all Road and Rail sources **74**

Combined DNL including Airport **N/A**

Site DNL with Loud Impulse Sound

| | |
|--|--------------------------------------|
| <input type="button" value="Calculate"/> | <input type="button" value="Reset"/> |
|--|--------------------------------------|

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer** (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

Day/Night Noise Level Assessment Tool Flowcharts (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)

[Home \(/\)](#) > [Programs \(/programs/\)](#) > [Environmental Review \(/programs/environmental-review/\)](#) > DNL Calculator

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the [Day/Night Noise Level Calculator Electronic Assessment Tool Overview \(/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/\)](#).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID

Record Date

User's Name

Road # 1 Name:

Road #1

| Vehicle Type | Cars <input checked="" type="checkbox"/> | Medium Trucks <input type="checkbox"/> | Heavy Trucks <input checked="" type="checkbox"/> |
|--|---|---|---|
| Effective Distance | <input type="text" value="270"/> | | <input type="text" value="270"/> |
| Distance to Stop Sign | <input type="text"/> | | <input type="text"/> |
| Average Speed | <input type="text" value="35"/> | | <input type="text" value="35"/> |
| Average Daily Trips (ADT) | <input type="text" value="14000"/> | | <input type="text" value="2002"/> |
| Night Fraction of ADT | <input type="text" value="15"/> | | <input type="text" value="15"/> |
| Road Gradient (%) | | | <input type="text" value="0"/> |
| Vehicle DNL | 54 | 0 | 65 |
| <input type="button" value="Calculate Road #1 DNL"/> | 65 | <input type="button" value="Reset"/> | |

Road # 2 Name:

Road #2

Vehicle Type **Cars** **Medium Trucks** **Heavy Trucks**

| | | |
|--|--|---|
| Effective Distance | <input type="text" value="700"/> | <input type="text" value="700"/> |
| Distance to Stop Sign | <input type="text"/> | <input type="text"/> |
| Average Speed | <input type="text" value="40"/> | <input type="text" value="40"/> |
| Average Daily Trips (ADT) | <input type="text" value="23000"/> | <input type="text" value="1564"/> |
| Night Fraction of ADT | <input type="text" value="15"/> | <input type="text" value="15"/> |
| Road Gradient (%) | | <input type="text" value="0"/> |
| Vehicle DNL | 51 | 0 |
| <input type="button" value="Calculate Road #2 DNL"/> | 59 | <input type="button" value="Reset"/> |
| <input type="button" value="Add Road Source"/> | <input type="button" value="Add Rail Source"/> | |
| Airport Noise Level | | <input type="text"/> |
| Loud Impulse Sounds? | | <input type="radio"/> Yes <input checked="" type="radio"/> No |
| Combined DNL for all Road and Rail sources | | 66 |
| Combined DNL including Airport | | N/A |
| Site DNL with Loud Impulse Sound | | |
| <input type="button" value="Calculate"/> | <input type="button" value="Reset"/> | |

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:


- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - Contact your Field or Regional Environmental Officer (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the Barrier Performance Module (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

Day/Night Noise Level Assessment Tool Flowcharts (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)

ATTACHMENT H

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Related Topics: [Sole Source Aquifers for Drinking Water](https://epa.gov/dwssa) <<https://epa.gov/dwssa>>

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EPA Region 4 Sole Source Aquifer Project Review Form – Section B: Determination of Potential Project Impacts to the Sole Source Aquifer

Welcome to the Environmental Protection Agency (EPA) Region 4's Sole Source Aquifer (SSA) project review form. The EPA SSA Protection Program is authorized by section 1424(e) of the Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300 et. Seq., and 21 U.S.C. 349). Under the SSA Protection Program, EPA reviews proposed projects that will both: 1) be located within the SSA project review area and; 2) receive federal financial assistance. The review area may include the area overlying the SSA, its recharge zone, and source areas of streams that flow into the SSA's recharge zone. The EPA's review is intended to determine any possible contamination to the SSA from submitted projects. Your accurate submission of information will help us determine any possible contamination.

Please complete this form in its entirety and as well as the two-part submission process. Keep the email received at the end of submission process for your records. This email will serve as the official record of the decision and may be required by the federal agency funding your project. Thank you.

Date: December 14, 2022

Project Name: BBI Village

Sole Source Aquifer Name: Biscayne Aquifer (Florida)

Dear Gayle Stone:

The U.S. Environmental Protection Agency, Region 4, received your request to review the above referenced project to determine its effects on a Sole Source Aquifer (SSA). Pursuant to Section 1424(e) of the Safe Drinking Water Act (Public Law 93-523, 42 U.S.C. § 300 et. seq), no commitment for federal financial assistance (through a grant, contract, loan guarantee, or otherwise) may be entered into for any project which the EPA determines may contaminate a SSA through a recharge zone so as to create a significant hazard to public health.

The project lies inside the designated boundaries of the SSA listed above, but based on the information provided, **is not expected to cause a significant impact to the Aquifer or its recharge zone.** However, please be advised that this letter is not a permit, whether for the injection of fluids under the SDWA or for any other activity, nor does it constitute a waiver, suspension, or modification of any applicable federal, state, or local laws. All applicable laws, regulations, permits, ordinances, planning designs, construction codes, operation, maintenance, and engineering requirements must therefore still be satisfied and complied with. In particular, EPA Region 4 highlights the following:

- All debris from the demolition of existing structures must be properly contained and removed from the project site prior to construction of any new structures.
- All county flood plain management plans and public notification processes must be followed.
- Any applicable contaminant mitigation recommendations outlined by federal and state agency reviews must be complied with.
- All best management practices for erosion and sedimentation control must be followed.
- State and local environmental offices must be contacted to address proper drainage and storm water designs, and to obtain a copy of any local Wellhead Protection Plans.

Please note that the determination that this project will not contaminate a SSA through a recharge zone so as to create a significant hazard to public health is based on the information you have provided to the EPA and that this determination has been made only in regard to the EPA's authority under Section 1424(e) of the Safe Drinking Water Act (Public Law 93-523 42 U.S.C. § 300 et. seq). This determination may no longer be valid if there are any changes to the project that would affect any of the information you have provided to the EPA, and you must notify the EPA Region 4 office as soon as you become aware of such changes.

Thank you for your concern with the environmental impacts of this project. If you have any questions, please contact R4-SSA@epa.gov, Mr. Khurram Rafi at 404-562-9283 or Mr. Larry Cole at 404-562-9474.

Sincerely,

Sole Source Aquifer Team – EPA Region 4

< Previous Page

Next Page >

Contact Us <<https://epa.gov/dwssa/forms/contact-us-about-sole-source-aquifers-drinking-water>> to ask a question, provide feedback, or report a problem.

LAST UPDATED ON JUNE 16, 2022



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Follow.



ATTACHMENT I

Soil Map—Broward County, Florida, East Part
(BBI Village)




Soil Map may not be valid at this scale.

Soil Map—Broward County, Florida, East Part
(BBI Village)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Broward County, Florida, East Part

Survey Area Data: Version 18, Sep 1, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 14, 2022—Jan 24, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|---------------------------|--------------|----------------|
| 2 | Arents-Urban land complex | 0.0 | 1.0% |
| 10 | Duette-Urban land complex | 1.5 | 99.0% |
| Totals for Area of Interest | | 1.6 | 100.0% |

Broward County, Florida, East Part

10—Duette-Urban land complex

Map Unit Setting

National map unit symbol: 1h8p
Elevation: 0 to 30 feet
Mean annual precipitation: 60 to 68 inches
Mean annual air temperature: 72 to 79 degrees F
Frost-free period: 358 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Duette and similar soils: 55 percent
Urban land: 40 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Duette

Setting

Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Sandy marine deposits

Typical profile

A - 0 to 3 inches: sand
E - 3 to 66 inches: sand
Bh - 66 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High
(1.98 to 5.95 in/hr)
Depth to water table: About 48 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: A

Forage suitability group: Forage suitability group not assigned (G156AC999FL)

Other vegetative classification: Forage suitability group not assigned (G156AC999FL)

Hydric soil rating: No

Description of Urban Land

Setting

Landform: Marine terraces

Landform position (three-dimensional): Interfluve, talf

Down-slope shape: Linear

Across-slope shape: Linear

Interpretive groups

Land capability classification (irrigated): None specified

Forage suitability group: Forage suitability group not assigned (G156AC999FL)

Other vegetative classification: Forage suitability group not assigned (G156AC999FL)

Hydric soil rating: Unranked

Minor Components

Basinger

Percent of map unit: 2 percent

Landform: Drainageways on marine terraces

Landform position (three-dimensional): Dip

Down-slope shape: Linear

Across-slope shape: Concave

Other vegetative classification: Forage suitability group not assigned (G156AC999FL)

Hydric soil rating: Yes

St. lucie

Percent of map unit: 1 percent

Landform: Rises on marine terraces, flats on marine terraces

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Other vegetative classification: Forage suitability group not assigned (G156AC999FL)

Hydric soil rating: No

Immokalee

Percent of map unit: 1 percent

Landform: Flatwoods on marine terraces

Landform position (three-dimensional): Talf

Down-slope shape: Convex

Across-slope shape: Linear

Other vegetative classification: Forage suitability group not assigned (G156AC999FL)

Hydric soil rating: No

Dade

Percent of map unit: 1 percent

Landform: Rises on marine terraces

Landform position (three-dimensional): Interfluve, rise

Down-slope shape: Convex

Across-slope shape: Linear

Other vegetative classification: Forage suitability group not assigned (G156AC999FL)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Broward County, Florida, East Part

Survey Area Data: Version 18, Sep 1, 2022

Broward County, Florida, East Part

2—Arents-Urban land complex

Map Unit Setting

National map unit symbol: 1hn8f
Elevation: 0 to 210 feet
Mean annual precipitation: 60 to 68 inches
Mean annual air temperature: 72 to 79 degrees F
Frost-free period: 358 to 365 days
Farmland classification: Not prime farmland

Map Unit Composition

Arents and similar soils: 55 percent
Urban land: 40 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Arents

Setting

Landform: Rises on marine terraces
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Altered marine deposits

Typical profile

A - 0 to 4 inches: cobbly sand
C1 - 4 to 9 inches: cobbly sand
C2 - 9 to 32 inches: sand
2C - 32 to 60 inches: sand

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A/D
Forage suitability group: Forage suitability group not assigned (G156AC999FL)
Other vegetative classification: Forage suitability group not assigned (G156AC999FL)
Hydric soil rating: No

Description of Urban Land

Setting

Landform: Marine terraces
Landform position (three-dimensional): Interfluve, talf
Down-slope shape: Linear
Across-slope shape: Linear

Interpretive groups

Land capability classification (irrigated): None specified
Forage suitability group: Forage suitability group not assigned (G156AC999FL)
Other vegetative classification: Forage suitability group not assigned (G156AC999FL)
Hydric soil rating: Unranked

Minor Components

Arents, organic substratum

Percent of map unit: 3 percent
Landform: Rises on marine terraces
Landform position (three-dimensional): Rise
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Forage suitability group not assigned (G156AC999FL)
Hydric soil rating: No

Udorthents, marly substratum

Percent of map unit: 2 percent
Landform: Marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Other vegetative classification: Forage suitability group not assigned (G156AC999FL)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Broward County, Florida, East Part
Survey Area Data: Version 18, Sep 1, 2022