

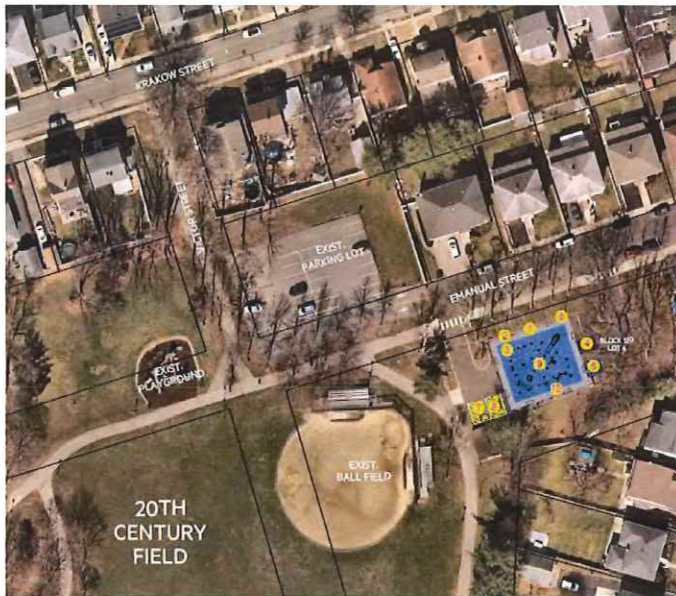
# BOSWELL

EST 1924

## ENVIRONMENTAL IMPACT ASSESSMENT REPORT

20<sup>th</sup> Century Field  
Splash Park – Phase I  
Block 120, Lot 4

City of Garfield  
Bergen County, New Jersey



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President and CEO

Our File No. 25GF113  
January 2026

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# **FIGURE AND LIST OF APPENDICES**

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## **FIGURE AND LIST OF APPENDICES**

### **FIGURE**

FIGURE 1: Conceptual Site Plan

### **APPENDICES**

APPENDIX A: Site Location Maps

APPENDIX B: Site Photographs

APPENDIX C: 2022 Census for the City of Garfield

# LIST OF ACRONYMS

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## LIST OF ACRONYMS

ADA	Americans with Disabilities Act of 1990
AOC	Area of Concern
APE	Area of Potential Effects
CAA	Clean Air Act
CO <sub>2</sub>	Carbon Dioxide
CWA	Clean Water Act
EIA	Environmental Impact Assessment
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
FONSI	Finding of No Significant Impact
MLUL	Municipal Land Use Law
NJDEP	New Jersey Department of Environmental Protection
NJR	New Jersey Register
NJ	New Jersey
NRHP	National Register of Historic Places
SHPO	State Historic Preservation Office
USGS	United States Geological Survey
USFWS	United States Fish and Wildlife Service

# 1.0 INTRODUCTION

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## 1.0 INTRODUCTION

The subject of this Environmental Impact Assessment (EIA) is 20<sup>th</sup> Century Park in the City of Garfield, New Jersey. The northwest portion of this park currently has a small parking lot, and the City of Garfield is proposing to construct a splash park.

The City of Garfield is seeking funding through the New Jersey Department of Environmental Protection's (NJDEP) Green Acres Program to construct the splash park and improve the recreational space for the residents of Garfield. The purpose of the EIA is to analyze the potential environmental impacts of the Proposed Action and various other select alternatives, including a No Action alternative.

## **2.0 PURPOSE AND NEED**

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### **2..0 PURPOSE AND NEED**

The City of Garfield is proposing the construction of a splash park in the northeast portion of 20th Century Park. The existing site location is an asphalt paved parking lot used for overflow parking, which otherwise holds no recreation facilities. The park currently does not include water-play inclusive recreation facilities. The proposed project would not involve the construction of a new parking lot, but only re-striping some of the existing parking spots to meet ADA requirements.

## **3.0 PROJECT LOCATION AND BACKGROUND**

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### **3.0 PROJECT LOCATION AND BACKGROUND**

The City of Garfield desires to provide the community with a splash park at the northeast portion of 20th Century Park, Block 120, Lot 4 in the City of Garfield, Bergen County, New Jersey. The parking lot of interest where the project is to be constructed is located at 34 Emanuel Street (*Appendix A*). The proposed project is currently used as an overflow parking area for 20th Century Park.

## 4.0 ALTERNATIVES

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### 4.1 ALTERNATIVES

Multiple alternatives were evaluated given the conditions of the parking lot and the project's eventual goal. Each alternative was considered based on expanding recreational space for the residents of Garfield, while minimizing negative impacts.

TABLE 4.0.1: Summary Table of Alternatives Considered

Alternative	Name	Summary Action
1	No Action	Considered
2	Construct a splash park within the northeast parking lot of 20 <sup>th</sup> Century Park.	Considered

### 4.2 ALTERNATIVE 1: NO ACTION ALTERNATIVE

If no action is taken, the area would remain a paved parking lot.

### 4.3 ALTERNATIVE 2: PROPOSED ACTION

This option proposes to construct a splash park within the existing parking lot. Additionally, the ADA striping of the parking lot would be updated to comply with site accessibility rules. The parking lot is under-utilized, and there is ample parking adjacent to the park on Emanuel Street, as well as in the parking lot further down Emanuel Street. This option is considered the most feasible, as all impacts that are proposed under this project will take place in previously disturbed areas.

## 5.0 AFFECTED ENVIRONMENT AND POTENTIAL EFFECTS

### 5.0 INTRODUCTION

Effects are changes to the environment that are reasonably probable and are likely the results of the proposed action or alternatives. These effects may occur at the same time and location as the proposed action or alternatives, but could also occur in the future and in further geographic locations relative to the site's location. Effects may be direct or indirect, and regard ecology, historic places and artifacts, aesthetics, cultural resources, socioeconomics, or public health. Consequent effects from the proposed action of alternatives may be beneficial or detrimental.

Table 5.0.1: Effect Significance and Context Evaluation Criteria for Potential Effects

Effect Scale	Criteria
None/Negligible	The resource area would not experience any effects, or effects would not be at detectable levels or, if detected, would be minimal and localized. Effect levels would fall below regulatory standards, as applicable.
Minor	Changes to the resource, both positive and negative, would meet measurable levels. However, the effects would be small and localized. Adverse effects would not exceed regulatory standards, as applicable. Mitigation controls and preventions measures would reduce any potential negative effects.
Moderate	Changes to the resource, both positive and negative, would be at measurable levels and would be within a localized or regional magnitude. Adverse effects would not exceed regulatory standards, but conditions would experience short-term changes. Mitigation may be needed to minimize potential negative effects.
Major	Changes to the resource, both positive and negative, would be clearly measurable and would have significant impacts on a local level and possibly a regional level. Negative effects would exceed regulatory standards, and mitigation measures would be necessary to reduce impacts. Long-term impacts to the resource would be expected.

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## 5.1 BIOLOGICAL RESOURCES

### 5.1.1 Vegetation

#### Existing Conditions

The site location is within a paved parking lot, and as such, there is no vegetation growing within this location (*Appendix B*).

#### Potential Effects and Proposed Mitigation

##### Alternative 1: No Action

Via the No Action Alternative, vegetation would not drastically change. The site location is a paved parking lot and is not meant to provide a habitat for vegetation. Therefore, the No Action Alternative would have **no effects** on vegetation.

##### Alternative 2: Proposed Action

The Proposed Action of constructing a splash park would not result in disturbance to existing vegetation as it is an asphalt paved parking lot. Therefore, the proposed action would have **negligible effects** on vegetation.

### 5.1.2 Wildlife

#### Existing Conditions:

According to the New Jersey Department of Environmental Protection (NJDEP) GeoWeb GIS data, there are no threatened or endangered species habitats within the proposed project location (*Appendix A*). Birds and animals like squirrels, and chipmunks may pass through this area, but the parking lot does not serve as a true habitat for wildlife.

#### Potential Effects and Proposed Mitigation

##### Alternative 1: No Action

Via the No Action Alternative, no wildlife would gain or lose inhabitable space. The parking lot may be a place to pass through, but it does not have much importance to wildlife in Garfield. Therefore, the No Action Alternative would have **no effects** on wildlife.

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Alternative 2: Proposed Action:

Via the Proposed Action, the parking lot would become a splash park. The project is located entirely within a paved parking lot and the site was never designed to provide a habitat to wildlife. Therefore, the Proposed Action would have **no effects** on wildlife.

## **5.2 PHYSICAL RESOURCES**

### 5.2.1 Geology

Existing Conditions:

The proposed project location lies within the Hackensack quadrangle of New Jersey's Piedmont Region, with a latitude of 40°52'53.43" N and 74°05'51.86" W (*Appendix A*). The entire site location lies atop a surficial layer of Rahway Till, which is a reddish-brown formation from sedimentary deposits (New Jersey Geological Survey, 2016). The bedrock layer consists entirely of Passaic Formation Sandstone and Siltstone facies, which can be similar in color to the surficial layer, and tend to have a thickness up to 3,610 feet (United States Geological Survey).

Potential Effects and Proposed Mitigation

Alternative 1: No Action

Via the No Action Alternative, no construction would occur, and geology would remain in place and unchanged. Therefore, the No Action Alternative would have **no effect** on geology.

Alternative 2: Proposed Action

Via the Proposed Action, some excavations would occur to transform the parking lot into a splash park. Excavations would be localized, and depths would not exceed 5 feet in depth. Therefore, the Proposed Action would have **negligible effects** on geology.

### 5.2.2 Soils

Existing Conditions:

The site location is comprised partially of Dunellen-Urban land complex (0 to 3 percent slopes), and partially of Haledon-Urban land complex (3 to 8 percent slopes) (*Appendix A*). Dunellen Series soils are deep and well-drained, and are well-stratified (E, C. F., F, S. M., & W, H. J. October, 2006). Haledon Series soils are very deep but are not well-drained, and tend to derive from till (E, C. F., F, S. M., & S, R. A. January, 2013). As for hydrologic soils, part of the site has group A

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(high infiltration rate) soils, while the other part of the site has group C (low infiltration rate) soils.

#### Potential Effects and Proposed Mitigation

##### Alternative 1: No Action

Via the No Action Alternative, no construction would occur. No soils would be disturbed by excavations, and the parking lot would remain the same. Therefore, the No Action Alternative would have **no effects** on soils.

##### Alternative 2: Proposed Action

Via the Proposed Action, the parking lot would be converted into a splash park. This would involve excavations not exceeding 5 feet in depth. For these excavations, soil erosion plans would be utilized to contain debris and prevent offsite disturbances. Any effects on soils would be short-term and localized. Therefore, the Proposed Action would have **minor** effects on soils.

### **5.3 WATER RESOURCES**

#### Existing Conditions:

The site location is within Watershed Management Area 04, which includes the lower portions of the Saddle River and Passaic River (*Appendix A*). The proposed site location does not fall within the 100-year nor 500-year floodplain. As for groundwater recharge, the proposed splash park is within the zone that recharges 11 to 15 inches per year. There are no wetlands within the extents of the site location.

#### Potential Effects and Proposed Mitigation

##### Alternative 1: No Action

Via the No Action Alternative, no construction nor excavations would occur, so the site would not change. The watershed and groundwater would be unaffected, so there would be **no effects** on watersheds.

##### Alternative 2: Proposed Action

Via the Proposed Action, a splash park would be constructed. The construction would not affect any wetlands (*Appendix A*), and it would not increase the impervious surface compared to the parking lot. Any construction debris would be maintained by best management practices, and

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construction would not take place near major waterways. It is possible that small amounts of groundwater could surface, but this is expected to be minimal based on the groundwater recharge rates compared to the length of the project. As for the splash park itself, water would be sprayed, contained in a reservoir chamber, filtered, and recirculated. Thus, the water used in the splash park would not impact offsite water quality. Furthermore, the Proposed Action would have negligible effects on water resources.

#### **5.4 HISTORIC AND ARCHEOLOGICAL RESOURCES**

The New Jersey State Historic Preservation Office (SHPO) lists five (5) historic properties in Garfield, none of which fall within the site location. The map in *Appendix A* further confirms that the proposed site location is not located within any historic properties nor historic districts (*Appendix A*).

#### **5.5 TRANSPORTATION AND SITE ACCESS**

This project will comply with the Americans with Disabilities Act of 1990 (ADA) to ensure site access for all residents of Garfield.

Existing Conditions:

Currently, the proposed project location is used as a small parking lot on Emanuel Street, adjacent to 20<sup>th</sup> Century Park. There are currently three (3) handicapped parking spaces and 19 regular parking spaces (*Appendix B*).

Potential Effects and Proposed Mitigation

##### Alternative 1: No Action

Via the No Action Alternative, no construction would occur, and the parking lot and roads would be unaffected. Therefore, the No Action Alternative would have no effects on site accessibility and transportation.

##### Alternative 2: Proposed Action

Via the Proposed Action, a splash park would be constructed within the existing parking lot. The project will comply with ADA regulations and ensure access for all. This would decrease the amount of parking available within the parking lot while improving accessibility for those with disabilities. There is another parking lot close to the proposed project, as well as ample street parking on Emanuel Street. Overall, the Proposed Action would have minor positive effects on site accessibility, and negligible negative effects on transportation due to parking.

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## 5.6 LAND USE

### Existing Conditions:

The proposed site location lies within Block 120, Lot 4, which is a parcel of public land belonging to the City of Garfield. This parcel encompasses 20<sup>th</sup> Century Park and as such, is considered a recreational space. The surrounding neighborhood is a residential area. The site location and its vicinity are classified as urban land (*Appendix A*).

### Potential Effects and Proposed Mitigation

#### Alternative 1: No Action

Via the No Action Alternative, the site would remain the same, and land use would not change. Therefore, the No Action Alternative would have no effects on land use.

#### Alternative 2: Proposed Action

Via the Proposed Action, a splash park would be constructed within the parking lot on Emanuel Street. The splash park would be a recreational space, just as the parcel of 20<sup>th</sup> Century Park already is. Therefore, land use would remain recreational and there would be **no effects** on land use.

## **6.0 ENVIRONMENTAL IMPACTS**

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### **6.0 ENVIRONMENTAL IMPACTS**

For this project, construction would have localized effects in the short term. Construction is anticipated to take three (3) months to complete. Construction would occur during the day, and construction equipment would meet industry standards regarding noise and emissions. Therefore, construction would comply with local noise regulations, and any emissions to the air would be mitigated. In the summer, temperatures regularly reach the 80s and 90s, posing a risk of heat stress to the residents of Garfield. A splash park can be an effective measure of heat stress mitigation, which is a key public health goal in the summer months.

Based on the information presented, the construction of a splash park would have short-term, localized effects while improving the recreational environment for the residents of Garfield. The City of Garfield has already constructed a splash park on Jewell Street, and this successful project calls for more of these recreational spaces to serve the growing population of Garfield.

Long-term impacts from the proposed project are negligible, due to the site's existing development as a paved parking lot. No new impacts will occur to sensitive environments, such as surface waters, wetlands or wildlife habitat. No regulated areas, such as wetlands, wetland transition areas, riparian zones or flood hazard areas are located on the project site. The project site and immediately surrounding area is not classified as habitat for any threatened or endangered species.

## **7.0 PERMITS AND PROJECT CONDITIONS**

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### **7.0 PERMITS AND PROJECT CONDITIONS**

The City of Garfield must obtain all permits required by Federal, State and local agencies. In addition to agency coordination and notification, this list includes the permits necessary for this project.

- Bergen County Soil Erosion and Sediment Control Certification
- City of Garfield – Construction permits are required by the Uniform Construction Code

No NJDEP Permitting is required for this project.

## 8.0 CONCLUSIONS

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### 8.0 CONCLUSIONS

This Environmental Impact Assessment has been prepared as part of the City's application to the NJDEP Green Acres Program for construction of a splash park at the 20<sup>th</sup> Century Field Park. A review and assessment of the potential environmental impacts of the proposed development has led the City to select the proposed improvement actions to offer an enhanced recreational facility to the City's residents. Environmental impacts to local wildlife, environmentally sensitive areas, and the community are virtually non-existent due to the developed nature of the project area and the location of the proposed splash park within an existing paved parking lot.

## 9.0 REFERENCES

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E, C. F., F, S. M., & W, H. J. (2006, October). Dunellen Series. National Cooperative Soil Survey.  
[C](#)

E, C. F., F, S. M., & S, R. A. (2013, January). Haledon Series. National Cooperative Soil Survey.  
[https://soilseries.sc.egov.usda.gov/OSD\\_Docs/H/HALEDON.html](https://soilseries.sc.egov.usda.gov/OSD_Docs/H/HALEDON.html)

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# FIGURE 1

## CONCEPTUAL SITE PLAN

**FIGURE 1**

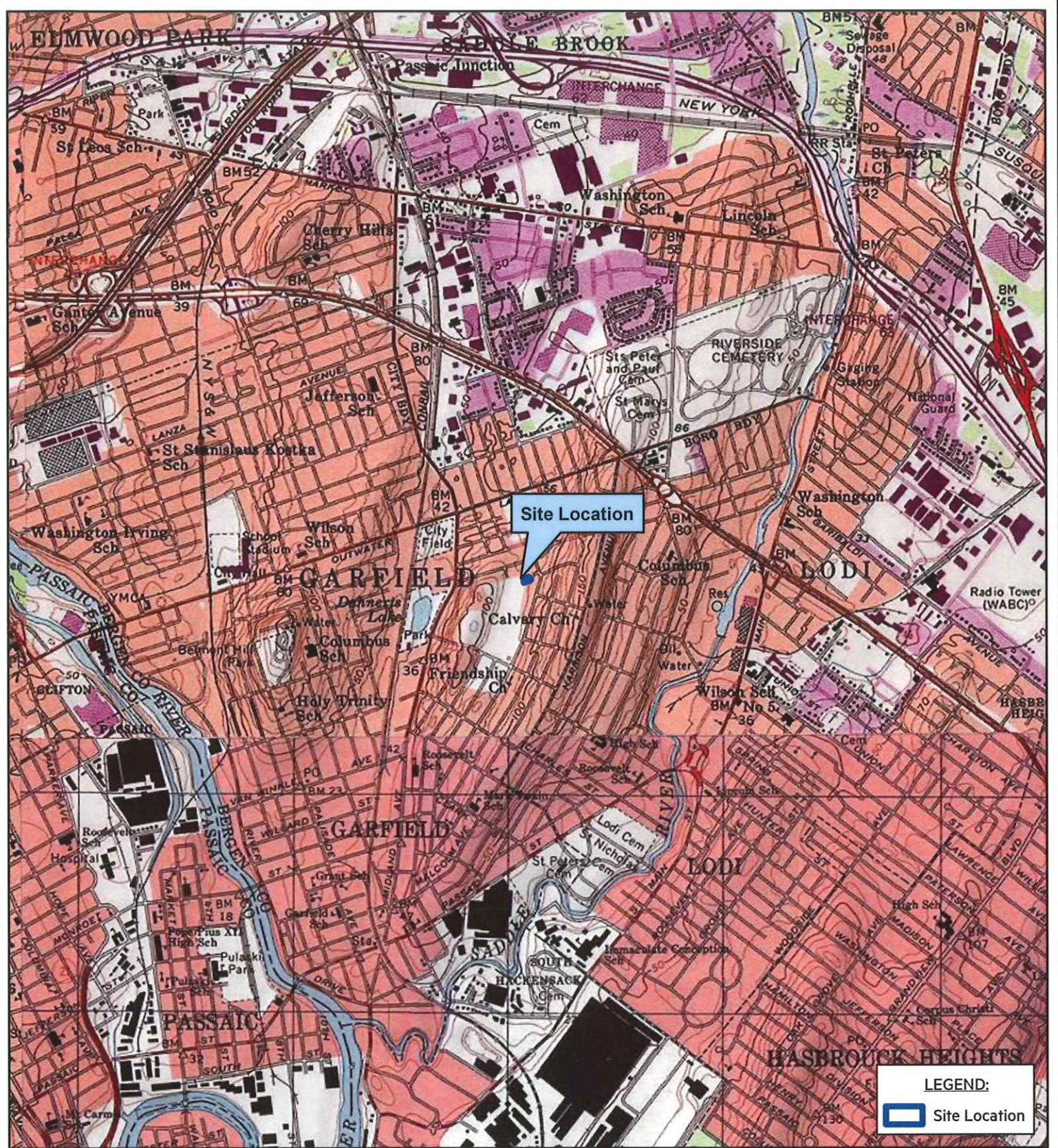




# APPENDIX A

## SITE LOCATION MAPS



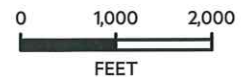


NOTES:  
 UNITED STATES GEOLOGICAL SURVEY (USGS)  
 HACKENSACK QUADRANGLE

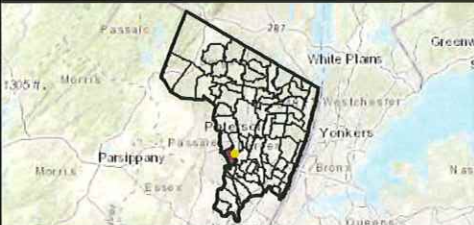
**USGS TOPOGRAPHIC LOCATION MAP**

PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I  
 34 EMANUAL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1 IN = 2,000 FT	SHEET: USGS





**LEGEND:**  
 Site Location

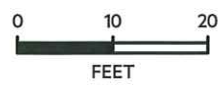
NOTES:  
 NEARMAP IMAGE DATE:  
 MARCH 19, 2025



**AERIAL LOCATION MAP**

**PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I**  
 34 EMANUEL STREET  
 BLOCK:120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 20 FT	SHEET: AERIAL



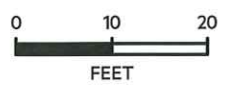
NOTES:  
NJDEP PHYSIOGRAPHIC PROVINCES DATALAYER



**PHYSIOGRAPHIC PROVINCES MAP**

PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I  
 34 EMANUEL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1 IN = 20 FT	SHEET: PHYSIOGRAPHIC

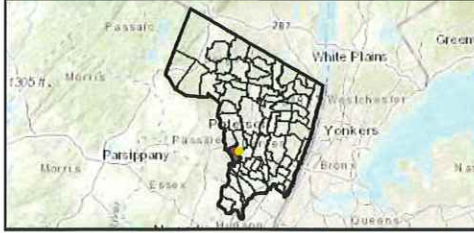


Emanuel St

**LEGEND:**

- Site Location
- Open Space

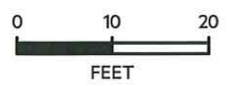
NOTES:  
NJDEP BUREAU OF GIS,  
GREEN ACRES OPEN SPACE DATALAYER



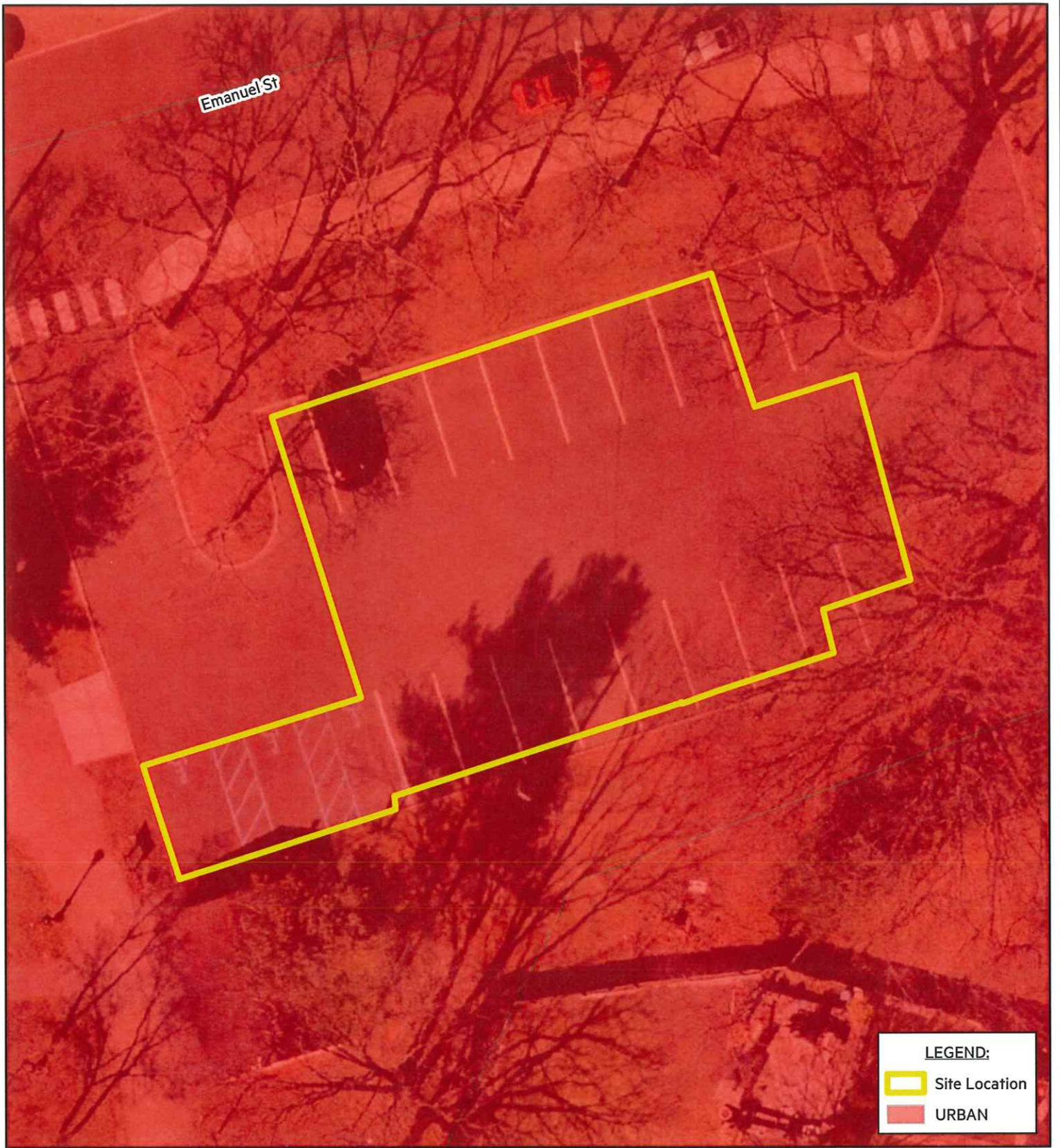
**OPEN SPACE LOCATION MAP**

PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I  
34 EMANUAL STREET  
BLOCK: 120 / LOT: 4  
  
CITY OF GARFIELD  
BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1 IN = 20 FT	SHEET: OPEN SPACE



**LEGEND:**

- Site Location
- URBAN

NOTES:  
NJDEP USE/LAND COVER 2015 DATALAYER

**LAND USE MAP**

**PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I**

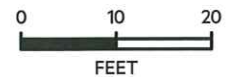
**34 EMANUEL STREET**

**BLOCK: 120 / LOT: 4**

**CITY OF GARFIELD**

**BERGEN COUNTY, NEW JERSEY**

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF13
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 20 FT	SHEET: LAND USE





**LEGEND:**

- Site Location
- Metropolitan

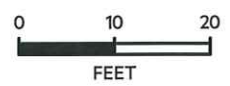
NOTES:  
 NEW JERSEY OFFICE OF PLANNING ADVOCACY,  
 PLANNING AREA BOUNDARIES DATALAYER



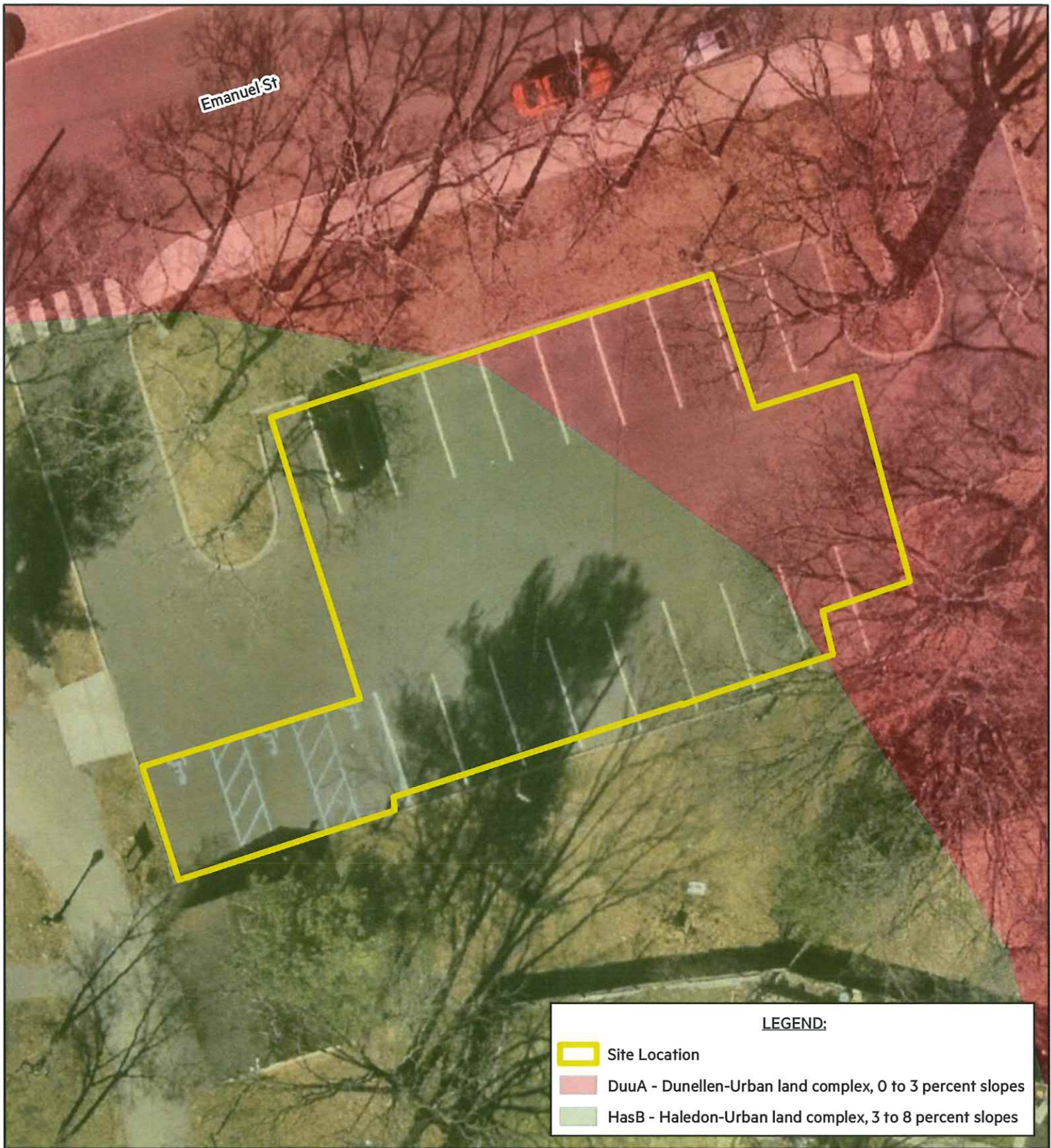
**PLANNING AREA BOUNDARIES MAP**

PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I  
 34 EMANUEL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1 IN = 20 FT	SHEET: PLANNING AREA

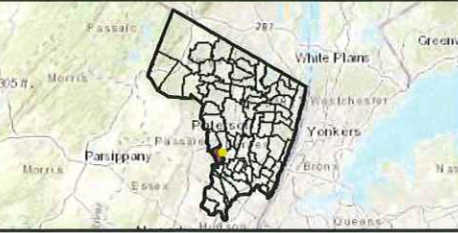


Emanuel St

**LEGEND:**

- Site Location
- DuuA - Dunellen-Urban land complex, 0 to 3 percent slopes
- HasB - Haledon-Urban land complex, 3 to 8 percent slopes

NOTES:  
SSURGO SOIL SURVEY OF BERGEN COUNTY



**SOIL LOCATION MAP**

**PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I**

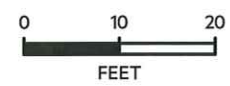
**34 EMANUAL STREET**

**BLOCK: 120 / LOT: 4**

**CITY OF GARFIELD**

**BERGEN COUNTY, NEW JERSEY**

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1 IN = 20 FT	SHEET: SOIL

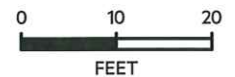
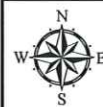


NOTES:  
NJDEP SURFICIAL GEOLOGY DATALAYER

**SURFICIAL GEOLOGY LOCATION MAP**

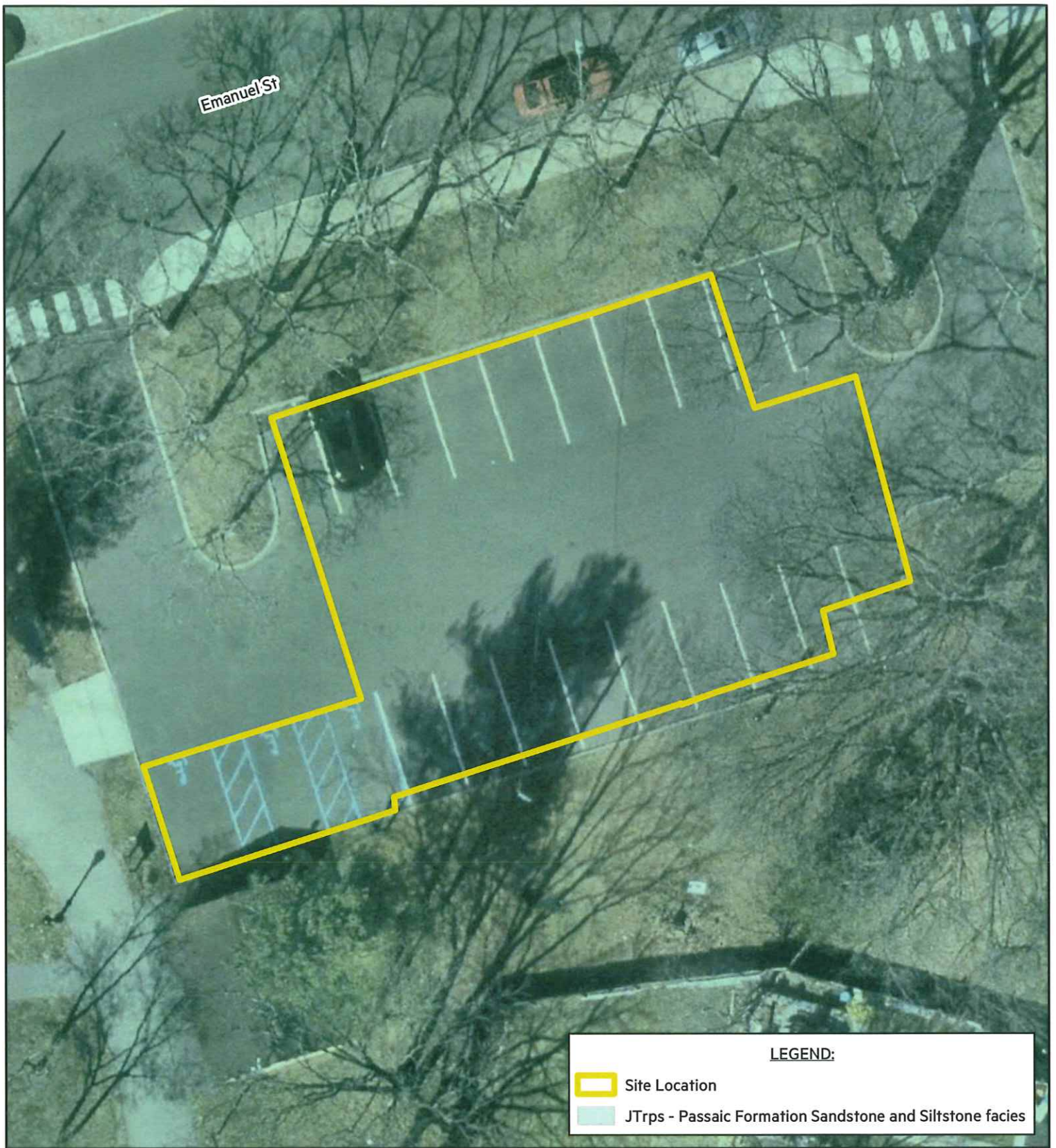
PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I  
34 EMANUEL STREET  
BLOCK: 120 / LOT: 4  
CITY OF GARFIELD  
BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF13
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 20 FT	SHEET: SURFICIAL



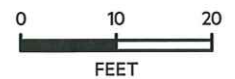


NOTES:  
NJDEP BEDROCK GEOLOGY DATALAYER

**BEDROCK GEOLOGY LOCATION MAP**

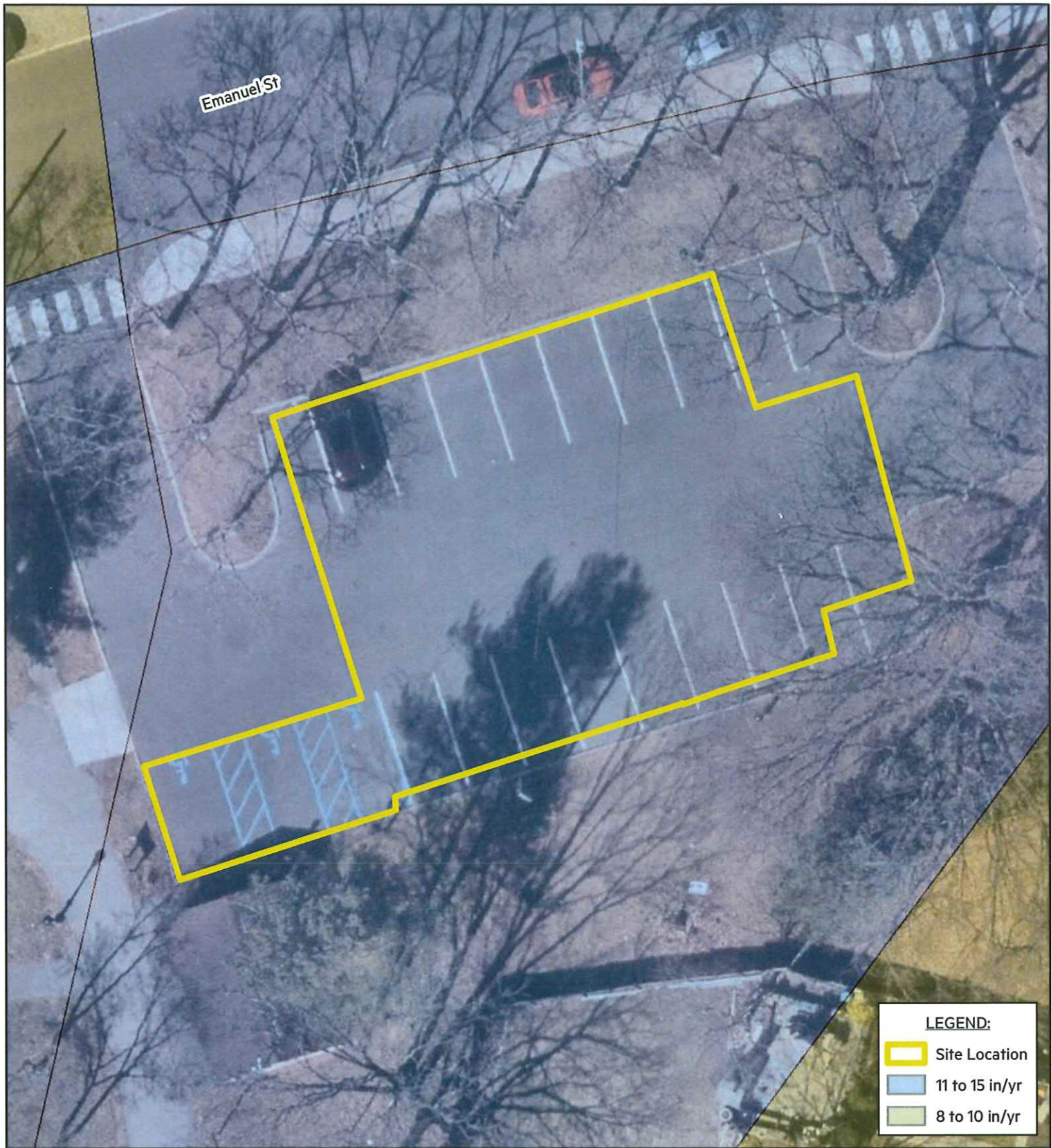
PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I  
34 EMANUEL STREET  
BLOCK: 120 / LOT: 4  
CITY OF GARFIELD  
BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 20 FT	SHEET: BEDROCK





**LEGEND:**

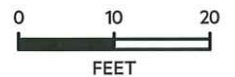
- Site Location
- 11 to 15 in/yr
- 8 to 10 in/yr

NOTES:  
NJDEPBGIS GROUNDWATER RECHARGE AREA  
DATALAYER

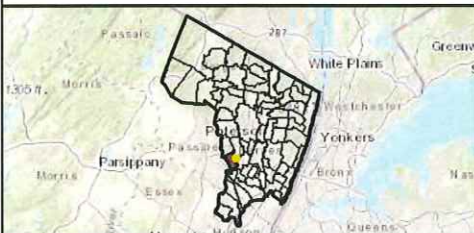
**GROUNDWATER RECHARGE AREA MAP**

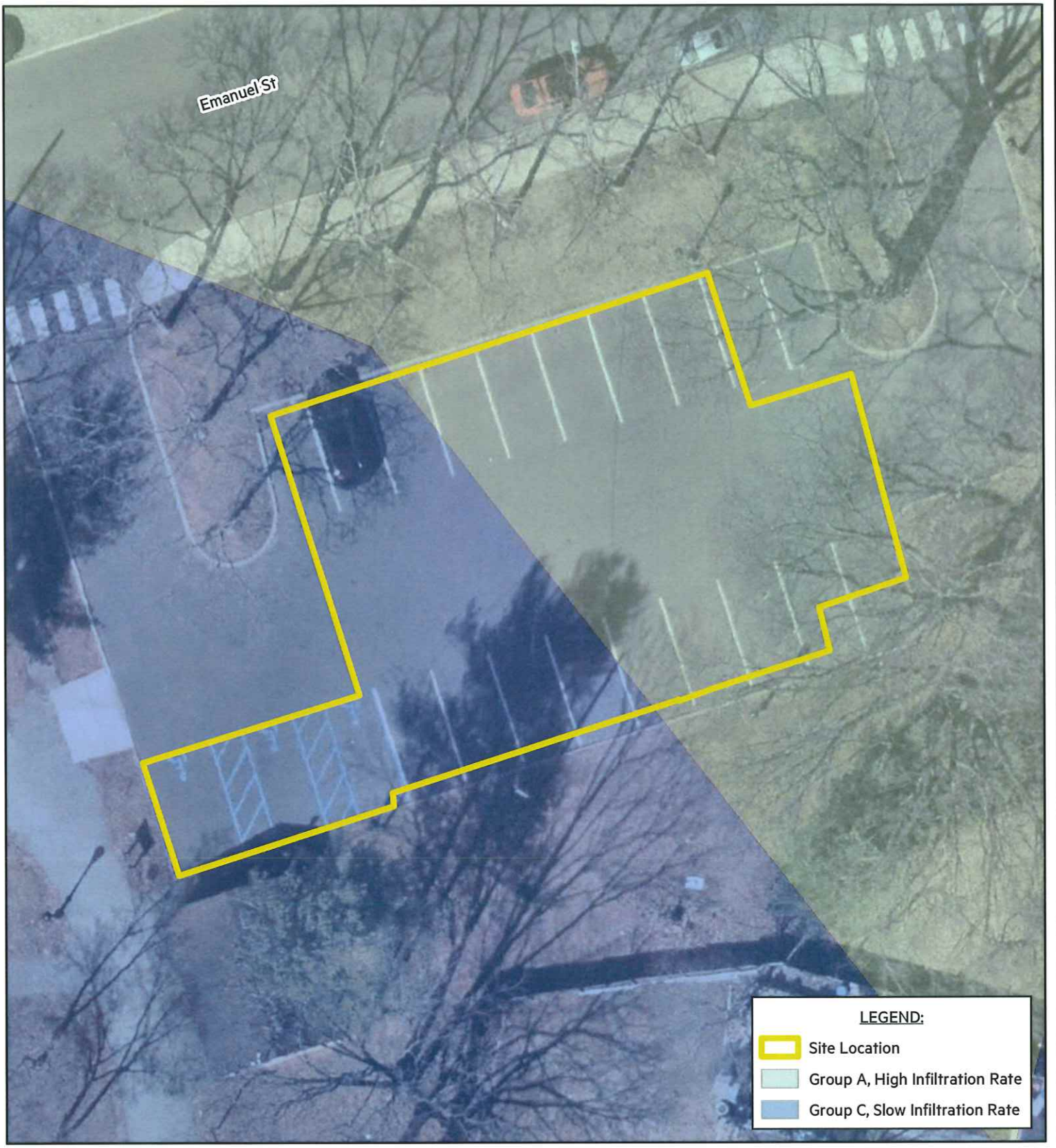
PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I  
34 EMANUEL STREET  
BLOCK: 120 / LOT: 4  
  
CITY OF GARFIELD  
BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 20 FT	SHEET: GROUNDWATER





**LEGEND:**

- Site Location
- Group A, High Infiltration Rate
- Group C, Slow Infiltration Rate

NOTES:  
USDA WEB SOIL SURVEY HYDROLOGIC SOIL  
GROUP DATALAYER



**HYDROLOGIC SOIL RATING MAP**

**PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I**

**34 EMANUEL STREET**

BLOCK: 120 / LOT: 4

CITY OF GARFIELD

BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
EST 1924

NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1 IN = 20 FT	SHEET: HYDRO SOIL



NOTES:  
NJDEP WATERSHED MANAGEMENT AREA  
DATALAYER

**WATERSHED MANAGEMENT AREA MAP**

PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I  
34 EMANUEL STREET  
BLOCK: 120 / LOT: 4  
CITY OF GARFIELD  
BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 7, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 20 FT	SHEET: WATERSHED



**LEGEND:**

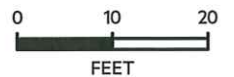
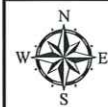
- Site Location
- Low Income and Minority

NOTES:  
NJDEP OVERBURDENED COMMUNITIES UNDER ENVIRONMENTAL JUSTICE LAW DATALAYER

**OVERBURDENED COMMUNITIES MAP**

PROPOSED 20TH CENTURY FIELD  
SPLASH PARK - PHASE I  
34 EMANUEL STREET  
BLOCK: 120 / LOT: 4  
CITY OF GARFIELD  
BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 9, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 20 FT	SHEET: OVERBURDENED



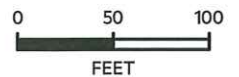
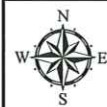


**LEGEND:**  
 Site Location

NOTES:  
 BERGEN COUNTY FEMA FLOOD DATALAYER  
 FIRM: 34003C0188H

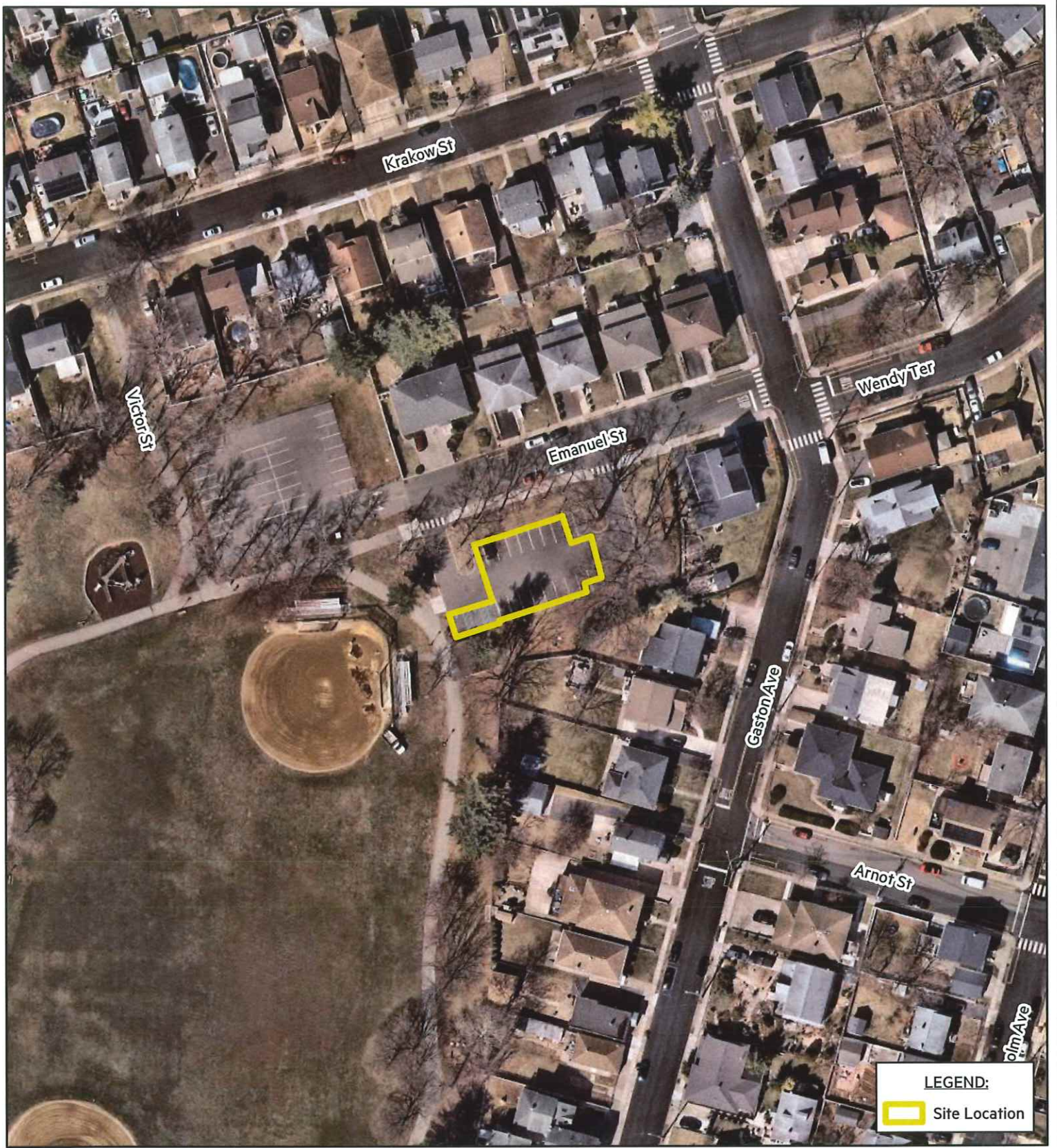
**FEMA FLOOD LOCATION MAP**  
 PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I  
 34 EMANUEL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 9, 2026	PROJECT NO.: 25GF13
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 100 FT	SHEET: FEMA





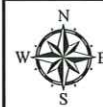
**LEGEND:**  
 Site Location

NOTES:  
 NJDEP HISTORIC PROPERTIES DATALAYER

**HISTORIC PROPERTIES LOCATION MAP**

PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I  
 34 EMANUEL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 9, 2026	PROJECT NO.: 25GF13
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 100 FT	SHEET: HISTORIC





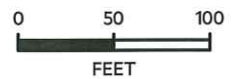
**LEGEND:**  
 Site Location

NOTES:  
 NJDEP THREATENED AND ENDANGERED  
 SPECIES DATABASE (VERSION 3.4)

**THREATENED + ENDANGERED SPECIES**

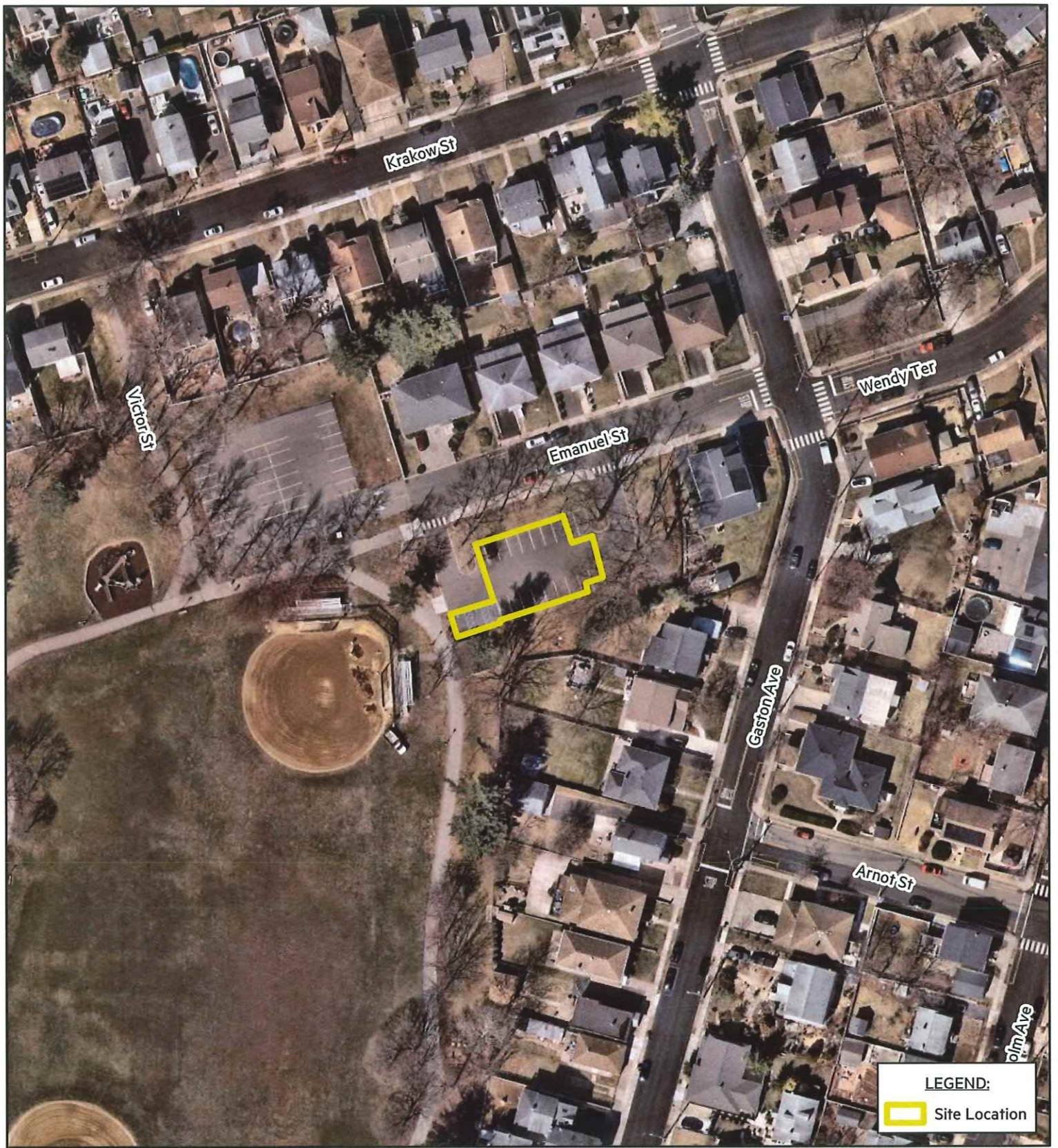
PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I  
 34 EMANUEL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 9, 2026	PROJECT NO.: 25GF13
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 100 FT	SHEET: T + E



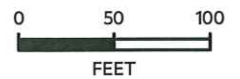


**LEGEND:**  
 Site Location

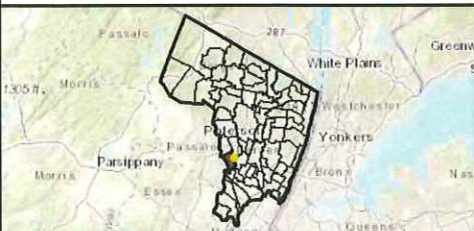
NOTES:  
 NJDEP FRESHWATER WETLANDS DATALAYER

**WETLAND LOCATION MAP**  
 PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I  
 34 EMANUEL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY


**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 9, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1IN = 100 FT	SHEET: WETLANDS





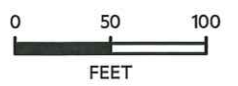
**LEGEND:**  
 Site Location

NOTES:  
 NJDEP PUBLIC TRANSPORTATION  
 DATALAYER

**PUBLIC TRANSPORTATION MAP**

**PROPOSED 20TH CENTURY FIELD  
 SPLASH PARK - PHASE I**  
 34 EMANUEL STREET  
 BLOCK: 120 / LOT: 4  
 CITY OF GARFIELD  
 BERGEN COUNTY, NEW JERSEY

**BOSWELL**  
 EST 1924



NORTHING: 746,284	DRAWN BY: SK	DATE: JANUARY 9, 2026	PROJECT NO.: 25GF113
EASTING: 603,550	CHECKED BY: FJR	SCALE: 1 IN = 100 FT	SHEET: TRANSPORTATION



# APPENDIX B

## SITE PHOTOGRAPHS



# BOSWELL

## SITE PHOTOGRAPHS

EST 1924

<b>CLIENT NAME:</b> City of Garfield	<b>SITE LOCATION:</b> 20 <sup>th</sup> Century Field parking lot 34 Emanuel Street, Block 120, Lot 4, Garfield, NJ	<b>DATE:</b> December 29, 2025	<b>PROJECT NAME:</b> Proposed 20 <sup>th</sup> Century Field Splash Park – Phase I	<b>PROJECT No.:</b> 25GF113
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### Photo No. 1.

#### Description:

Northeast view of the parking lot at 34 Emanuel Street in Garfield.



### Photo No. 2.

#### Description:

South view of the parking lot. Note the baseball field adjacent to the parking lot.



# BOSWELL

EST 1924

## SITE PHOTOGRAPHS

<b>CLIENT NAME:</b> City of Garfield	<b>SITE LOCATION:</b> 20 <sup>th</sup> Century Field parking lot 34 Emanuel Street, Block 120, Lot 4, Garfield, NJ	<b>DATE:</b> December 29, 2025	<b>PROJECT NAME:</b> Proposed 20 <sup>th</sup> Century Field Splash Park – Phase I	<b>PROJECT No.:</b> 25GF113
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### Photo No. 3.

#### Description:

Southwest view of the parking lot on Emanuel Street.



### Photo No. 4.

#### Description:

Northwest view of the parking lot on Emanuel Street. Note the availability of street parking, as well as a larger, nearby parking lot.



# BOSWELL

EST 1924

## SITE PHOTOGRAPHS

<b>CLIENT NAME:</b> City of Garfield	<b>SITE LOCATION:</b> 20 <sup>th</sup> Century Field parking lot 34 Emanuel Street, Block 120, Lot 4, Garfield, NJ	<b>DATE:</b> December 29, 2025	<b>PROJECT NAME:</b> Proposed 20 <sup>th</sup> Century Field Splash Park – Phase I	<b>PROJECT No.:</b> 25GF113
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### Photo No. 5.

#### Description:

Northeast view of the parking lot. Note the ADA-compliant parking spaces.



### Photo No. 6.

#### Description:

Northeast view along the side of Emanuel Street.



# APPENDIX C

## 2022 CENSUS FOR THE CITY OF GARFIELD



APPENDIX C

Fact	Fact Note	Garfield city, New Jersey	Value Note for Garfield city, New Jersey
Population estimates, July 1, 2024, (V2024)			33,530
Population estimates base, April 1, 2020, (V2024)			32,651
Population, percent change - April 1, 2020 (estimates base) to July 1, 2024, (V2024)			2.70%
Population, Census, April 1, 2020			32,655
Population, Census, April 1, 2010			30,487
Persons under 5 years, percent			6.00%
Persons under 18 years, percent			19.60%
Persons 65 years and over, percent			14.50%
Female persons, percent			49.80%
White alone, percent			58.50%
Black alone (a)			6.00%
American Indian (a)			0.20%
Asian alone (a)			3.90%
Native Hawaiian (a)			0.00%
Two or More Races, percent			16.80%
Hispanic or Latino (b)			45.40%
White alone, not Hispanic or Latino, percent			44.40%
Veterans, 2019-2023			616
Foreign-born persons, percent, 2019-2023			47.30%
Housing Units, July 1, 2024, (V2024)		X	
Owner-occupied housing unit rate, 2019-2023			45.40%
Median value of owner-occupied housing units, 2019-2023			\$454,300
Median selected monthly owner costs - with a mortgage, 2019-2023			\$2,803
Median selected monthly owner costs - without a mortgage, 2019-2023			\$1,094
Median gross rent, 2019-2023			\$1,612
Building Permits, 2024		X	
Households, 2019-2023			11,541
Persons per household, 2019-2023			2.81
Living in the same house 1 year ago, percent of persons age 1 year+, 2019-2023			93.20%
Language other than English spoken at home, percent of persons age 5 years+, 2019-2023			67.30%
Households with a computer, percent, 2019-2023			91.50%
Households with a broadband Internet subscription, percent, 2019-2023			87.00%
High school graduate or higher, percent of persons age 25 years+, 2019-2023			84.40%
Bachelor's degree or higher, percent of persons age 25 years+, 2019-2023			24.30%
With a disability, under age 65 years, percent, 2019-2023			6.20%
Persons without health insurance, under age 65 years, percent			19.50%
In civilian labor force, total, percent of population age 16 years+, 2019-2023			66.20%
In civilian labor force, female, percent of population age 16 years+, 2019-2023			59.00%
Total accommodation (c)		D	
Total health (c)			26,346
Total transportation (c)			28,719
Total retail (c)			457,129
Total retail (c)			\$14,123
Mean travel time to work (minutes), workers age 16 years+, 2019-2023			27.8
Median households income (in 2023 dollars), 2019-2023			\$75,701
Per capita income in past 12 months (in 2023 dollars), 2019-2023			\$36,260
Persons in poverty, percent			14.20%
Total employer establishments, 2023		X	
Total employment, 2023		X	
Total annual payroll, 2023 (\$1,000)		X	
Total employment, percent change, 2022-2023		X	
Total nonemployer establishments, 2023		X	
All employer firms, Reference year 2022			612
Men-owned employer firms, Reference year 2022			103
Women-owned employer firms, Reference year 2022		S	
Minority-owned employer firms, Reference year 2022			151
Nonminority-owned employer firms, Reference year 2022		S	
Veteran-owned employer firms, Reference year 2022		S	
Nonveteran-owned employer firms, Reference year 2022			534
Population per square mile, 2020			15,469.00
Population per square mile, 2010			14,524.80
Land area in square miles, 2020			2.11
Land area in square miles, 2010			2.1
FIPS Code		"3425770"	

NOTE: FIPS Code values are enclosed in quotes to ensure leading zeros remain intact.

#### Value Notes

None

#### Fact Notes

- (a) Includes persons reporting only one race
- (b) Hispanics may be of any race, so also are included in applicable race categories
- (c) Economic Census - Puerto Rico data are not comparable to U.S. Economic Census data

#### Value Flags

- D Suppressed to avoid disclosure of confidential information
- F Fewer than 25 firms
- FN Footnote on this item in place of data
- NA Not available
- S Suppressed; does not meet publication standards
- X Not applicable
- Z Value greater than zero but less than half unit of measure shown
- Either no or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest or upper interval of an open ended distribution.
- N Data for this geographic area cannot be displayed because the number of sample cases is too small.