RESILIENT NEW JERSEY
NORTHEASTERN NEW JERSEY

FY21 BRIC Applications

Appendix C Attachment

VERSION 2022.1

CONTENTS

RESILIENT
NORTHEASTERN
NEW JERSEY

OVERVIEW

Responding to feedback about the need to see early action to mitigate flooding, Resilient Northeastern NJ worked with the State, municipalities, and other stakeholders to submit four funding applications to the Federal Emergency Management Agency (FEMA) Building Resilient Infrastructure & Communities (BRIC) grant program for Fiscal Year (FY) 2021, of which three were advanced for funding (Newark and Bayonne projects). The City of Hoboken submitted a fifth application for expansion of Southwest Resilience Park.

This attachment provides summaries of the four applications submitted through Resilient Northeastern NJ coordination:

1. Ironbound Resilience Hub at the Ann Street School in Newark
2. Cottage Street Park Flood Mitigation Project in Bayonne
3. 63rd Street Pumping Station Power & Flood Resilience Project in Bayonne
4. McGovern Park Resilience Project in Jersey City

Development of these funding applications involved coordination with sewer departments / utilities, engineers, parks and public works departments, a public schools department, and other local staff and utilities, as applicable, and with New Jersey Office of Emergency Management (NJOEM) for application development and submission. Effective implementation of these projects will continue to involve coordination among these various entities.

IRONBOUND RESILIENCE HUB

ANN STREET SCHOOL, NEWARK

Location:

- Socially vulnerable and flood-prone Ironbound neighborhood (immediate area is less flood-prone, anecdotally)

Scope:

- Subsurface detention in Ann Street School parking lot (up to 450k gallons)
- Permeable pavement
- Power resilience: battery storage, islanding, HVAC improvements - *combined with planned solar array project*

Benefit considerations:

- Flood reduction, with 5-year event fully mitigated and damages from 10-year event significantly reduced
- Heating, cooling, wind sheltering
- Power resilience

Estimated costs

- Capital Costs: $14M

COTTAGE STREET PLAYGROUND

BAYONNE

Location:

- Flood-prone area around Cottage Street Playground

Scope:

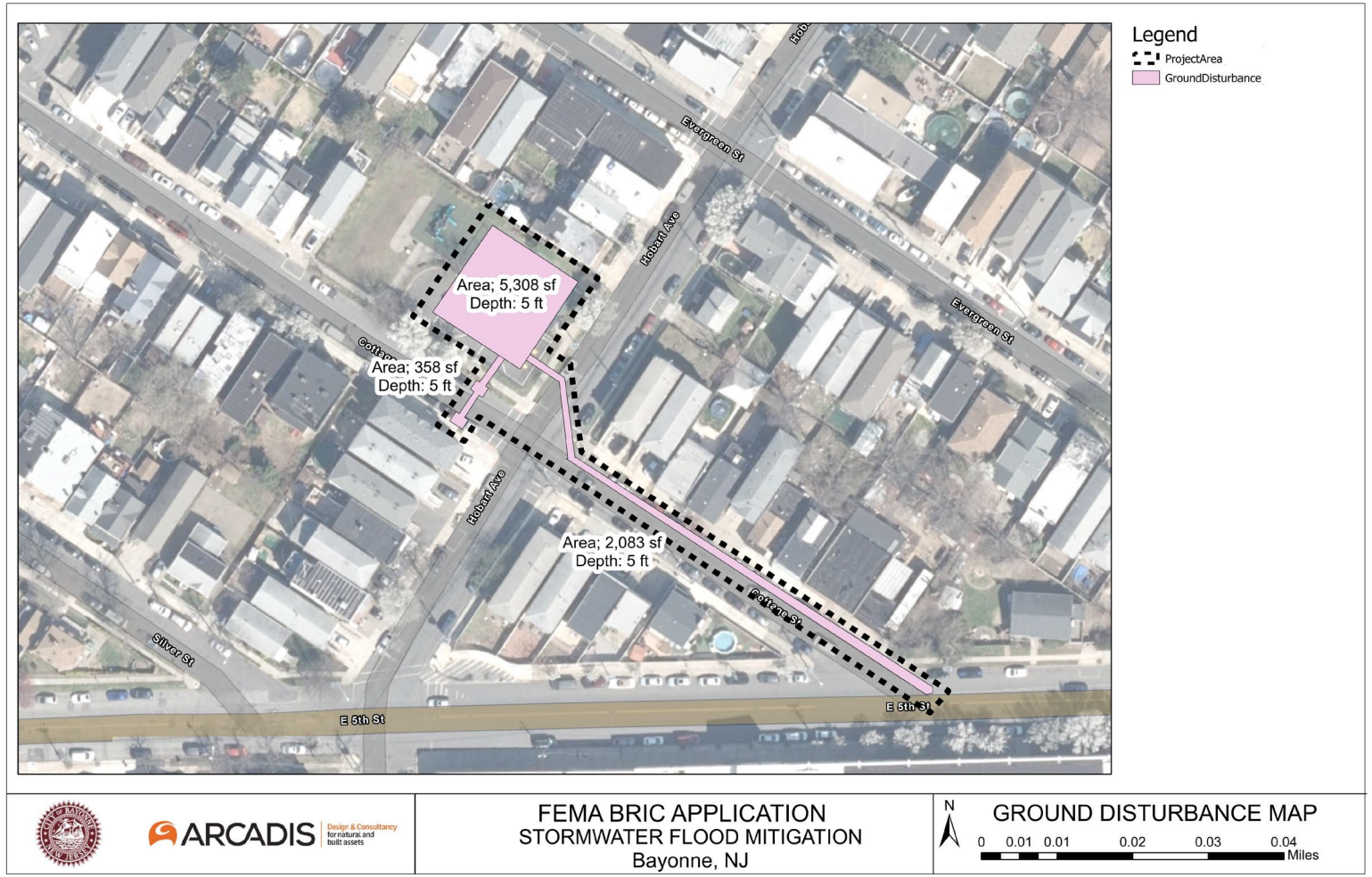
- Subsurface storage within the park (8,000 cubic feet)
- Increased capacity of sewer line along Cottage Street

Benefit considerations:

- Flooding from 2-, 5-, and 10-year events fully mitigated, and significantly reduced from 25-, 50-, and 100-year events
- 30 residences and 2 warehouses benefit

Estimated costs

- $6M



63rd STREET PUMPING STATION

BAYONNE

Location:

- 63rd Street / Sycamore Road at Jersey City / Bayonne city boundary

Scope:

- Installation of emergency generator at 63rd Street Pumping Station and flood mitigation measures to protect the generator

Benefit considerations:

- Service continuity and avoidance of sewer back-ups for 59 residential properties

Estimated costs

- Capital Costs: $3M

MCGOVERN PARK RESILIENCE PROJECT

JERSEY CITY

Location:

- Socially vulnerable and flood-prone Country Village neighborhood

Scope:

- Subsurface storage within McGovern Park (~30,500 cubic feet / ~230,000 gal)

Benefit considerations:

- Flood reduction – fully mitigates 5-year, 10-year, and 25-year events, reduces flooding from 50-year and 100-year events
- 79 residences (over 230 people) benefit

Estimated costs

- Capital Costs: $5M

RESILIENT NORTHEASTERN NEW JERSEY