FLOOD INSURANCE STUDY
FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 3 OF 3

UNION COUNTY,
NEW JERSEY
(ALL JURISDICTIONS)

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1 No Special Flood Hazard Areas Identified

REVISED:
PRELIMINARY
APRIL 18, 2016

FLOOD INSURANCE STUDY NUMBER
34039CV003B
Version Number 2.2.2.2
NOTICE TO
FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program (NFIP) have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

Initial Countywide FIS Effective Date: September 20, 2006

Revised Countywide FIS Date: [TBD] – to change Base Flood Elevations, Special Flood Hazard Areas and zone designations; to update the effects of wave actions, roads and road names; and to reflect revised shoreline and updated topographic information.

   to change the vertical datum for elevation information from the National Geodetic Vertical Datum of 1929 to the North American Vertical Datum of 1988.

ATTENTION: On FIRM panels 34039C0024G and 34039C035G the Elizabeth River levee and on FIRM panels 34039C0043G and 34039C0044G the Rahway River levee have not been demonstrated by the community or levee owner(s) to meet the requirements of Section 65.10 of the NFIP regulations in 44 CFR as it relates to the levee’s capacity to provide 1-percent annual chance flood protection. The subject areas are identified on FIRM panels (with notes and bounding lines) and in the FIS report as potential areas of flood hazard data changes based on further review.

FEMA has updated the levee analysis and mapping procedures for non-accredited levees. Until such time as FEMA is able to initiate a new flood risk project to apply the new procedures, the flood hazard information on the aforementioned FIRM panel(s) that are affected by the Elizabeth River and Rahway River levees are being added as a snapshot of the prior previously effective information presented on the FIRMs and FIS reports dated September 20, 2006. As indicated above, it is expected that affected flood hazard data within the subject area could be significantly revised. This may result in floodplain boundary changes, 1-percent annual chance flood elevation changes, and/or changes to flood hazard zone designations.
The effective FIRM panels (and the FIS report) will again be revised at a later date to update the flood hazard information associated with the Elizabeth River and Rahway River levees when FEMA is able to initiate and complete a new flood risk project to apply the new levee analysis and mapping procedures.
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Exhibit 2 – Flood Insurance Rate Map Index

Flood Insurance Rate Map
FLOOD PROFILES
RAHWAY RIVER

ELEVATION IN FEET (NAVD 88)

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ARTHUR KILL

LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FEDERAL EMERGENCY MANAGEMENT AGENCY
UNION COUNTY, NJ
(ALL JURISDICTIONS)
Federal Emergency Management Agency
Union County, NJ
(All Jurisdictions)

Flood Profiles
Robinsons Branch

Legend
- 0.2% Annual Chance Flood
- 1% Annual Chance Flood
- 2% Annual Chance Flood
- 10% Annual Chance Flood
- Stream Bed
- Cross Section Location

Elevation in Feet (NAVD 88)
Stream Distance in Miles Above Confluence with Rahway River
ROBINSONS BRANCH 15

LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD

STUDY LIMITS:

- STREAM BED
- CROSS SECTION LOCATION

0% ANNUAL CHANCE BACKWATER FROM ROBINSONS BRANCH 15

ELEVATION IN FEET (NAVD 88)

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ROBINSONS BRANCH 15

FEDERAL EMERGENCY MANAGEMENT AGENCY

UNION COUNTY, NJ

(ALL JURISDICTIONS)
0.2% ANNUAL CHANCE FLOOD
---
1% ANNUAL CHANCE FLOOD
---
2% ANNUAL CHANCE FLOOD
---
10% ANNUAL CHANCE FLOOD

LEGEND
- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

NOTE: CHANNEL AND FLOOD FLOWS ARE CONTRAINED IN UNDERGROUND PIPE

1% ANNUAL CHANCE BACKWATER FROM ROBINSONS BRANCH 15

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ROBINSONS BRANCH 15

ELEVATION IN FEET (NAVD 88)
LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

NOTE: CHANNEL AND FLOOD FLOWS ARE CONTAINED IN UNDERGROUND PIPE.

ELEVATION IN FEET (NAVD 88)

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ROBINSONS BRANCH 15

NOTE: CHANNEL AND FLOOD FLOWS ARE CONTAINED IN UNDERGROUND PIPE.
LEGEND
- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

FLOOD PROFILES
Snyder Avenue Brook

ELEVATION IN FEET (NAVD 88)

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH PASSAIC RIVER
FLOODING CONTROLLED BY THE RAHWAY RIVER

STRAIGHTENED MEISEL AVENUE

THE RAHWAY RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
UNION COUNTY, NJ
(ALL JURISDICTIONS)

VAN WINKLES BROOK

LEGEND
- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD

STREAM BED

CROSS SECTION LOCATION

STRAIGHTENED MEISEL AVENUE

CONFLUENCE WITH MEISEL AVENUE

THE RAHWAY RIVER

FLOODING CONTROLLED BY THE RAHWAY RIVER
BASE FLOOD
ABOVE GRADE
FROM OVERFLOW

MAJORITY OF
100-YEAR FLOOD
CONTAINED IN
STORM SEWER PIPES
BELOW GRADE

ELEVATION IN FEET (NAVD 88)

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ELIZABETH RIVER

LEGEND

- 0.2% ANNUAL CHANCE FLOOD
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

*DATA NOT AVAILABLE
LEGEND

- 0.2% ANNUAL CHANCE FLOOD*
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD*
- 10% ANNUAL CHANCE FLOOD*
- STREAM BED
- CROSS SECTION LOCATION

*DATA NOT AVAILABLE

ELEVATION IN FEET (NAVD 88)

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH ELIZABETH RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY
UNION COUNTY, NJ
(ALL JURISDICTIONS)

FLOOD PROFILES
WEST BRANCH
LEGEND
- 0.2% ANNUAL CHANCE FLOOD*
- 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD
- 10% ANNUAL CHANCE FLOOD
- STREAM BED
- CROSS SECTION LOCATION

*DATA NOT COMPUTED
ELEVATION IN FEET (NAVD 88)

STREAM DISTANCE IN HUNDREDS OF FEET ABOVE CONFLUENCE WITH MORSES CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY
UNION COUNTY, NJ
(ALL JURISDICTIONS)

FLOOD PROFILES
WEST BROOK

LEGEND
0.2% ANNUAL CHANCE FLOOD
1% ANNUAL CHANCE FLOOD
2% ANNUAL CHANCE FLOOD
10% ANNUAL CHANCE FLOOD
STREAM BED
CROSS SECTION LOCATION