

JCMUA
Flood Mitigation Related Projects

All dates shown are subject to timely approval of each project by the appropriate Regulatory and Funding Agencies and construction staging throughout the City to minimize disturbance to its Residents.

I. **Sip Avenue Pump Station**

A. **Project Description**

A storm water pump station is proposed at the foot of Sip Avenue at the Hackensack River for the discharge from the outfall to relieve flooding along Sip Avenue between JFK Boulevard and Route 440.

B. **Preliminary Cost Estimate** \$2.5 Million

C. **Preliminary Schedule** Construction Start – 6/2020
 Construction End – 1/2021

II. **Randolph Avenue Sewer Replacement**

A. **Project Description**

Contractor is mobilized and replacing two (2) common sewers and installing a new 8" sewer in the Public Right of Way.

B. **Preliminary Cost Estimate** \$1 Million

C. **Preliminary Schedule** Construction Start – 7/2020
 Construction End – 10/2020

III. **York Street Sewer Replacement between Colgate Street and Brunswick**

A. **Project Description**

Contractor is mobilized and is replacing a 24" brick sewer with a 36" sewer.

B. **Preliminary Cost Estimate** \$600,000.00

C. **Preliminary Schedule** Construction Start – 7/2020
Construction End – 12/2020

IV. **Carteret Avenue 96" Sewer Emergency**

A. **Project Description**

Contractor is mobilized and the emergency pipe replacement is progressing to resolve existing and potential bottlenecks in the existing sewer.

B. **Preliminary Cost Estimate** \$14 Million

C. **Preliminary Schedule** Construction Start – 7/2020
Construction End – 12/2020

V. **York Street between Van Vorst Street and Brunswick Street (Phase 1& 2)**

A. **Project Description**

The existing 42" x 36" combined sewer will be replaced with a 60" combined sewer.

B. **Preliminary Cost Estimate** \$6 Million

C. **Preliminary Schedule** Construction Start – 10/2020
Construction End – 10/2021

VI. **Wayne Street between Marin Boulevard and Brunswick Street (Phase 1 & 2)**

A. **Project Description**

The existing 42” x 36” combined sewer will be replaced with a 60” combined sewer.

B. **Preliminary Cost Estimate** \$6 Million

C. **Preliminary Schedule** Construction Start – 10/2020
Construction End – 10/2021

VII. **Monmouth at Hoboken Avenue – CSO Chamber Bypass**

A. **Project Description**

Install parallel relief combined sewer along CSO Chamber and associated downstream intersections to provide peak wet weather flooding relief.

B. **Project Cost Estimate** \$2 Million

C. **Preliminary Schedule** Construction Start – 8/2020
Construction End – 3/2021

VIII. **6th Street Storm Water Pump Station**

A. **Project Description**

A storm water pump station is proposed at the foot of 6th Street and the Hudson River. The new storm water pump station will serve the new proposed 6th Street storm sewer.

B. **Preliminary Cost Estimate** \$10 Million

- C. **Preliminary Schedule** Construction Start – 6/2021
Construction End – 1/2022

IX. **Johnston Avenue Sewer Separation**

A. **Project Description**

New separate sanitary and storm sewers will be constructed on Johnston Avenue between Grand Street and Garabrant Avenue. A sewer separation will occur for Halliday Street, Pacific Avenue, Whiton Street, and Monitor Street between Maple Street and Ash Street.

- B. **Preliminary Cost Estimate** \$15 Million

- C. **Preliminary Schedule** Construction Start – 7/2021
Construction End – 8/2022

X. **Claremont/Carteret Avenue Storm Water Pump Station**

A. **Project Description**

The proposed storm water pump station will address the storm water from Canal Crossing, Pine Street and Van Horne Street storm sewers that were previously discussed.

- B. **Preliminary Cost Estimate** \$20 Million

- C. **Preliminary Schedule** Construction Start – 9/2021
Construction End – 5/2022

XI. **Mallory Avenue Sewer Separation (In Phase 6A)**

A. **Project Description**

A storm sewer will be constructed on Mallory Avenue between Clendenny Avenue and Claremont Avenue that will connect into the proposed Route 440 storm sewer.

B. **Preliminary Cost Estimate** \$10 Million

C. **Preliminary Schedule** Construction Start – 9/2021
Construction End – 1/2024

XII. **Van Horne Sewer Separation**

A. **Project Description**

Sewer separation will occur on Van Horne Street and Woodward Street between LRT and Bramhall Avenue. The new sanitary sewer will connect into the new sanitary sewer for Canal Crossing and the new storm sewer will connect into a new 96" storm sewer on Carteret, which will discharge into the Hudson River by a new storm water pump station. Also, the existing combined sewer in Van Horne Street between Bramhall Avenue and Johnston Avenue will be replaced with a sanitary sewer and a new storm sewer constructed to take runoff from the intersections of Van Horne and Communipaw, Lafayette, Maple and Johnston, which will discharge into the Hudson River via a storm water pump station (location to be determined).

B. **Preliminary Cost Estimate** \$10 Million

C. **Preliminary Schedule** Construction Start – 10/2021
Construction End – 7/2022

XIII. Pine Street Sewer Separation

A. Project Description

Sewer separation will occur on Pine Street, Whiton Street and Suydam Avenue between Communipaw and LRT. The new sanitary sewer will connect into the new sanitary sewer for Canal Crossing. The new storm sewer will connect into a new 96" storm sewer on Carteret Avenue that will discharge into the Hudson River via a new storm sewer pump station. Also, the existing combined sewer on Pine Street between Communipaw and Johnston Avenue will be replaced with a sanitary sewer. A new storm sewer will also be constructed to take the runoff from the intersections of Pine Street and Communipaw Avenue, Lafayette, Maple and Johnston Avenue, which will be discharged into the Hudson River via a storm water pump station.

B. Preliminary Cost Estimate \$10 Million

**C. Preliminary Schedule Construction Start – 10/2021
Construction End – 7/2022**

XIV. Van Winkle Outfall Replacement

A. Project Description

Replacement of approximately 1800 linear feet of 36" sewer with 8' x 10' box culvert.

B. Preliminary Cost Estimate \$5 Million

**C. Preliminary Schedule Construction Start – 10/2021
Construction End – 10/2022**

XV. **Princeton Avenue between Cator Avenue and Linden Avenue**

A. **Project Description**

A sewer separation is proposed for this entire area stretching up to Garfield. Three (3) combined sewerage systems will be abandoned. New sanitary and storm sewers will be constructed. Storm flow will be taken out of the combined sewer and connect into the Richard Street outfall.

B. **Preliminary Cost Estimate** \$8 Million

C. **Preliminary Schedule** Construction Start – 1/2022
Construction End – 1/2023

XVI. **Sip Avenue between J.F. Kennedy Boulevard to Emerson Street
(Phase 1 & 2)**

A. **Project Description**

The existing 48” combined sewer will be replaced with a 60” combined sewer. A new storm sewer will be constructed to address storm water flow on Westside Avenue, which will discharge into the Hackensack River by a new storm water pump station that is currently in construction.

B. **Preliminary Cost Estimate** \$10 Million

C. **Preliminary Schedule** Construction Start – 1/2022
Construction End – 7/2023

XVII. **Pacific Avenue Storm Sewer (Phase 1 & 2)**

A. **Project Description**

A new storm sewer will be constructed in Pacific Avenue from the LRT to the proposed storm sewer in Johnston Avenue.

B. **Preliminary Cost Estimate** \$3 Million

C. **Preliminary Schedule** Construction Start – 8/2022
 Construction End – 8/2023

XVIII. **Route 440 between Danforth Avenue and Claremont Avenue**

A. **Project Description**

To address the Route 440 flooding, new storm sewers will be constructed along Route 440 with storm water pump stations at the outfalls.

B. **Preliminary Cost Estimate** \$40 Million

C. **Preliminary Schedule** Construction Start – 10/2022
 Construction End – 1/2025

XIX. **Grand Street Sewer Separation**

A. **Project Description**

New separate sanitary and storm sewers will be constructed on Grand Street from Communipaw Avenue to the Hudson River and between Christopher Columbus Drive and Grand Street. Several new storm water outfalls will be constructed along with a new storm water pump station at the foot of Jersey Avenue. A new pump station will be constructed to address the Merceles and Wayne flooding.

- B. **Preliminary Cost Estimate** \$160 Million
- C. **Preliminary Schedule** Construction Start – 1/2023
Construction End – 1/2026

XX. **Nelson Avenue Sewer Separation**

- A. **Project Description**
A new sewer system will be constructed on Nelson Avenue to address storm flow from the intersection of J.F. Kennedy Boulevard and Hague, Leonard, Grace, Poplar, Irving, North, Graham and Congress Streets. An existing combined sewer will be converted to a storm sewer and all storm flow will discharge into the Penhorn Creek.
- B. **Preliminary Cost Estimate** \$8 Million
- C. **Preliminary Schedule** Construction Start – 11/2023
Construction End – 11/2025

XXI. **Claremont/Carteret Avenue- CSO Storage Shaft**

- A. **Project Description**
A 10 million gallon storage shaft will be constructed as part of the DEP Long Term Control Plan.
- B. **Preliminary Cost Estimate** \$40 Million
- C. **Preliminary Schedule** Construction Start – 1/2024
Construction End – 1/2026

XXII. **Mill Creek Storm Water Pump Station and 8 Million Gallon CSO Storage Shaft**

A. **Project Description**

An inline netting facility, storm water pump station and an 8 million gallon storage shaft will be constructed as part of a proposed development.

B. **Preliminary Cost Estimate** \$40 Million

C. **Preliminary Schedule** Construction Start – 1/2024
 Construction End – 1/2027

XXIII. **Newark Avenue between Pavonia Avenue and 9th Street**

A. **Project Description**

A new storm sewer is proposed to be constructed parallel to the existing combined sewer. A new storm sewer will be constructed on 6th Street from Newark to Hudson River. The storm water from 4th and 5th Street will connect into the new storm sewer. A storm water pump station is proposed at the waterfront.

B. **Preliminary Cost Estimate** \$40 Million

C. **Preliminary Schedule** Construction Start – 10/2025
 Construction End – 1/2028

XXIV. **Westside Avenue between Broadway and Danforth Avenue Sewer Separation**

A. **Project Description**

A new storm sewer will be constructed for the entire length of Westside Avenue taking the storm water out of the combined sewer. On multiple

streets where the City has existing CSO's such as Sip Avenue, Duncan Avenue, Clendenny Avenue, Danforth Avenue and Fisk Avenue, a new storm sewer will bring the storm water to the Hackensack River.

- B. **Preliminary Cost Estimate** \$100 Million

- C. **Preliminary Schedule** Construction Start – 1/2026
 Construction End – 1/2029

XXV. **54" Force Main Relocation**

- A. **Project Description**
The Crosstown Force Main is to be relocated out of the Right of Way of the proposed LRT extension. The project also includes installation of a new separate storm sewer in Culver Avenue from the existing separate storm sewer system in the New Jersey City University campus to the Route 440 Storm Sewer Project.

- B. **Preliminary Cost Estimate** \$40 Million

- C. **Preliminary Schedule** Construction Start – 1/2026
 Construction End – 1/2029