NY-NJ HATS – PHILLIP STREET (JERSEY CITY) **US Army Corps LEVEE CONCEPT** of Engineers® New York District

EXISTING CONDITION (ACTUAL PHOTO)



LARGE LEVEE DESCRIPTION

Whereas floodwalls are made of materials such as reinforced concrete and steel, levees are made of compacted soil with grassy vegetation on top. Levees are commonly used along rivers, coastlines, and bodies of water to prevent inland flooding in the case of rising water levels. Levees are typically constructed by placing engineering fill on a cleared and leveled surface; soil is compacted in layers into a large earthen structure that is wide at the base and tapers toward the top. The interior of the levee is a core composed of impervious material, usually a firm clay, to form a watertight barrier to prevent or minimize seepage, either through or beneath the section. The large levee has an estimated height of 13 feet for this study phase. Detailed design would be completed during later stages of the study when site specific parameters are available.

PROPOSED CONCEPT (DIGITAL RENDERING – SUNNY DAY)



TYPICAL LARGE LEVEE CROSS-SECTION



LOCATION MAP



PROPOSED CONCEPT (DIGITAL RENDERING - STORM CONDITION)





<u>DISCLAIMER</u>: These renderings are artistic depictions of the features in NYNJHAT Study Tentatively Selected Plan (Alternative 3B) as of September 2022. They are *initial concepts used for illustrative purposes only and are subject to change*. The renderings are intended to promote a discussion of the study objectives and potential coastal storm risk management

