



Memo

To: Larry Faison
From: Marc Horstman, PE
cc: Michael Tassitino, PE
Date: 4/24/26
Re: NTB – Flooding Improvements Project Summary

As part of the Phase 1 and 2 North Carolina Resilient Coastal Communities Project (NCRCCP), 10 flooding hotspots in North Topsail Beach were identified, and potential solutions were provided. Two of these specific flooding hotspot locations, including the intersection of Gray Street and NC-210, and the North Topsail Beach Town Park, were identified by the North Carolina Department of Public Safety (NCPDS), Emergency Management Division (NCEM), as ideal locations to resolve flooding on NC-210. The NCEM awarded the Town of North Topsail Beach a non-match required grant of \$1,261,607.00 to implement the proposed flooding solutions at these locations. The period of performance for this grant was established between 7/1/2024 to 6/30/2027, where it is expected that all final payments associated with this grant be completed before 6/30/2027.

At the Gray Street/NC-210 intersection location, an infiltration system is proposed at the northern end of Gray Street, which will absorb floodwaters from NC-210. The proposed system includes approximately 614 linear feet of 15" RCP (Reinforced Concrete Pipe), approximately 40 linear feet of 4" PVC force main, three (3) standard NCDOT traffic bearing drop inlets, a sand separator and pump station, electrical controls & panel, and minor utility relocations.

At the North Topsail Beach Town Park location, a proposed level spreader, with a vegetated filter strip, permeable pavers located within the parking areas in the park and improved roadside ditch grading will reduce the severity and frequency of flooding along New River Inlet Road. The proposed system includes approximately 235 linear feet of 12" RCP (Reinforced Concrete Pipe), one (1) standard NCDOT traffic bearing drop inlet, one (1) standard NCDOT type D drop inlet, approximately 375 linear feet of shallow swale, 1750 square yards of permeable pavers, and minor utility relocations.

Currently, all the design, permitting, and public bidding efforts have been completed for this project. As part of the public bidding process, five successful bids were received and the lowest responsive bidder was Atlantic On-Site Development, LLC (Atlantic On-Site) with a bid amount



of \$1,122,730.01. It is noted that this contractor has completed two similar projects for an adjacent neighboring community (Town of Surf City), and they have worked successfully on projects of equal size and complexity in the North Carolina coastal region. Ardurra Group North Carolina (Ardurra) provided a recommendation to the Town of North Topsail Beach to award the bid to Atlantic On-Site Development LLC in the amount of \$1,122,730.01 on March 18, 2026.

It was also noted that when all of the current anticipated project costs, including design, permitting, construction administration, and construction costs, were compared to the NCEM grant, there is an anticipated \$64,000 overage. Ardurra contacted Atlantic On-Site to see if there were any components that could be removed to help reduce the overall construction costs. Unfortunately, any items that could be removed that would substantially reduce the construction costs would also impact the specified scope of work identified in the NCEM grant. If scope items are removed from this project, that could potentially reduce the corresponding amount dedicated by the grant or potentially put the grant funding at risk. It is recommended that the Town evaluate budgeting funds for this anticipated \$64,000 overage and proceed forward with the project as is so as not to jeopardize the \$1,261,607.00 NCEM grant.