

Area 1 – 300 Block of Ocean Boulevard West

Several hundred feet of public ROW along Ocean Boulevard West (OBW), in an area referred to as the 300 Block, and Brunswick Avenue to the north, experience significant floodwater retention following storm events.

A dedicated right-of-way (ROW) at 317 Brunswick Avenue West, which connects OBW and Brunswick Avenue, is currently used as an unofficial vehicle and pedestrian access. This project would convert the ROW to a 2.5-foot-deep storage depression to hold runoff from both OBW and Brunswick Avenue.

Catch basins will be installed along the north side of OBW, including at the low point of the road, and at the intersection of High Point Street and Brunswick Avenue. As the catch basin at the low point of the road will be located within the ROW of OBW and not on the road itself, its rim elevation will sit above the lowest elevation of the road. The road would be elevated to encourage positive flow to the inlet and to avoid further road ponding.

Catch basins will be connected by 15" High Performance Polypropylene pipes (HPPP), producing two different directions of flow: one, from the low point of the road, through the storage depression, and discharging at the outlet of the Brunswick Avenue channel, and the other from the low point of the road, down OBW and High Point Street, and discharging into the channel near the intersection of High Point Street and Brunswick Avenue.

In order to maintain a positive outfall within the proposed stormwater network, the Brunswick Avenue channel will be dropped approximately 1.5 feet between its outlet and the inlet of the existing outlet pipe. The channel will be re-graded as needed while maintaining minimum side slopes of 3:1.

The existing culvert under Marker Fifty-Five Drive and the existing outlet pipe running along the east side of High Point St. will both be upsized to 18" Reinforced Concrete Pipes (RCPs). The tide gate on the existing outlet pipe will be replaced.

Additional measures will include a second 1.5-foot-deep storage depression at 339 Brunswick Avenue, along with another dedicated ROW. This storage depression will be connected to the proposed stormwater network on OBW and discharge north into the Brunswick Avenue channel just before the Marker Fifty-Five Drive culvert.