



# 2017 America's Cup Land Reclamation

## ROYAL NAVAL DOCKYARD, BERMUDA

Cashman was part of the team that completed the first-phase construction of "Cross Island," the 9-acre land reclamation project that became the home of the Event Village for the 2017 *America's Cup*, hosted by Bermuda.

**PROJECT HIGHLIGHTS**

- Cashman's reclamation work included relocation of ~140,000 cubic yards of previously deposited dredged material and relocation of +166,000 cubic yards of fill material imported from Canada via bulk carrier and offloaded via conveyor belt.
- The Cashman clamshell dredge *Dale Pyatt* was mobilized to perform the extensive material re-handling required.
- Cashman's marine construction work included construction of a cast-in-place 1,250-LF cantilevered retaining "splash" wall; installation of a 1,350-LF continuous sheet-pile cell bulkhead wall to retain the reclamation area and provide a northern and western site boundary; constructing 1,350 feet of reinforced-concrete pilecap on top of the new sheet-pile bulkhead; extension of multiple utilities into the newly reclaimed land; constructing bridge approaches; and final site grading.
- To reduce future settlement, innovative soil vibro-compaction methods were used on the re-handled material to provide deep compaction of the fill.
- Installation of over 2,350 lbs of imported structural steel piles comprised of 1,800 steel sheet piles along the perimeter. Installation began in February of 2016 and was completed in June of 2016. The first phase construction of "Cross Island" was completed in early October 2016.
- All reclamation and marine construction work was performed in close proximity and without damage to the Naval Dockyard, a listed building of historic significance.

<b>Location:</b>	South Basin, Royal Navy Dockyard, Ireland Island, Sandys, Bermuda
<b>Contractor:</b>	Cashman Dredging & Marine Contracting Company, LLC
<b>Contract Dates:</b>	Aug 2015 - July 2016
<b>Dollar Value:</b>	\$21.2 Million
<b>Awarding Authority / Owner:</b>	BCM McAlpine Ltd

Cashman constructed the largest land reclamation project undertaken in Bermuda since WWII. Cashman proposed an innovative design-build (D-B) option for the project at the bid stage, providing nearly \$5.0 million in savings to the Owner.

