



May 20th, 2024

Letter of Support - Reef Arches.

To whom it may concern,

On behalf of MANG, a mangrove restoration brand based in West Palm Beach, Florida, we fully endorse Reef Arches as a functional and technologically advanced solution for living shorelines.

With over eight years of experience in mangrove restoration, we have encountered the critical challenges facing mangroves, including human destruction, boat wakes, hurricanes, deteriorating water quality, and the loss of stabilizing habitats. Mangroves are under immediate threat and urgently require shoreline technology that enhances habitats while promoting the restoration of lost elevations and shoreline topography.

MANG has observed the tangible benefits of Reef Arches since their inception and has supported this concept from day one. We believe the future of coastal resiliency lies in the innovation of green and gray infrastructure. Reef Arches has proven effective in recruiting sediment and attenuating wave energy. As mangroves face increasing factors disrupting their ability to recruit sediment, the introduction of Reef Arches along living shorelines will help rebuild and protect existing mangrove ecosystems. This will enhance the stability and health of mangroves during large storm events, reducing their mortality risk and facilitating the natural recruitment of mangroves into historically devastated areas.

Over time, mangroves and Reef Arches will integrate, creating what we believe will be the most successful and resilient shorelines. This synergistic environment is promoted by the use of pH-balanced concrete and the free-flowing honeycomb-arch design, which allows for optimal growing conditions for fouling organisms.

In conclusion, MANG fully supports Reef Arches as a vital component of shoreline restoration, enhancing both ecological and economic benefits for mangrove ecosystems.

Keith Rossin

Chief Restoration Officer