BRUSA Segment	Segment Description	Cable length in PR waters (9 nm)	Cable length in US TW (12 nm)
S4.1	Branch to Virginia Beach	6.23 nm (11.54 km)	11.96 nm (22.15 km)
S4.2	Cable Spur	9.18 nm (17.00 km)	15.59 nm (28.87 km)
S4.3	BMH to Branching Unit	7.98 nm (14.77 km)	7.98 nm (14.77 km)
All	Total	23.39 nm (43.31 km)	35.52 nm (65.79 km)

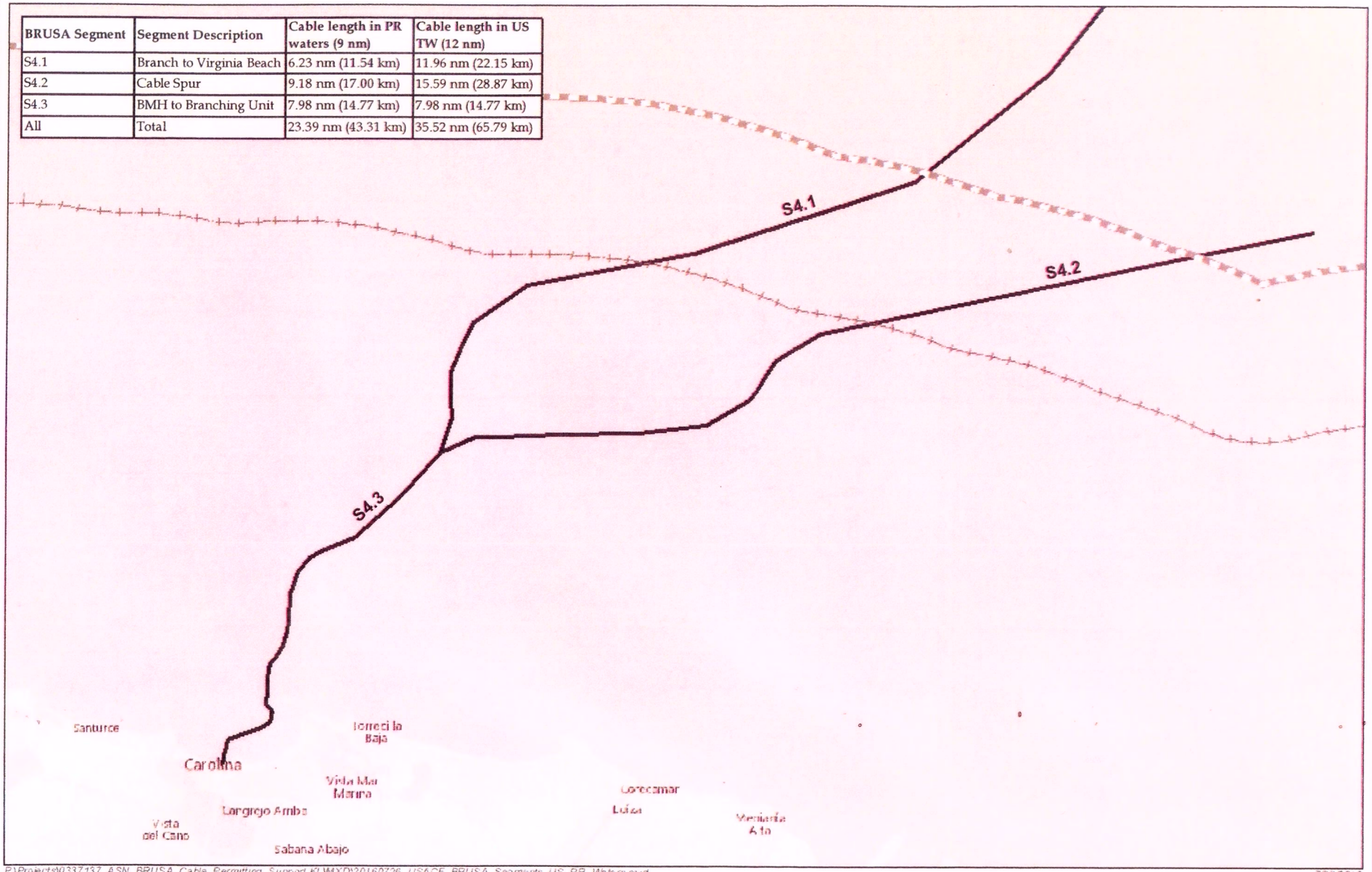

Figure RAI1: BRUSA Submarine Cable System San Juan Landing: Cable Lengths by Jurisdiction

Legend

BRUSA Segments

Maritime Territorial Boundaries

US Territorial Waters (12 nm)

Puerto Rico Waters (9 nm approximated)

N

0 2.5 5 Nautical Miles

0 5 10 Kilometers

ERM

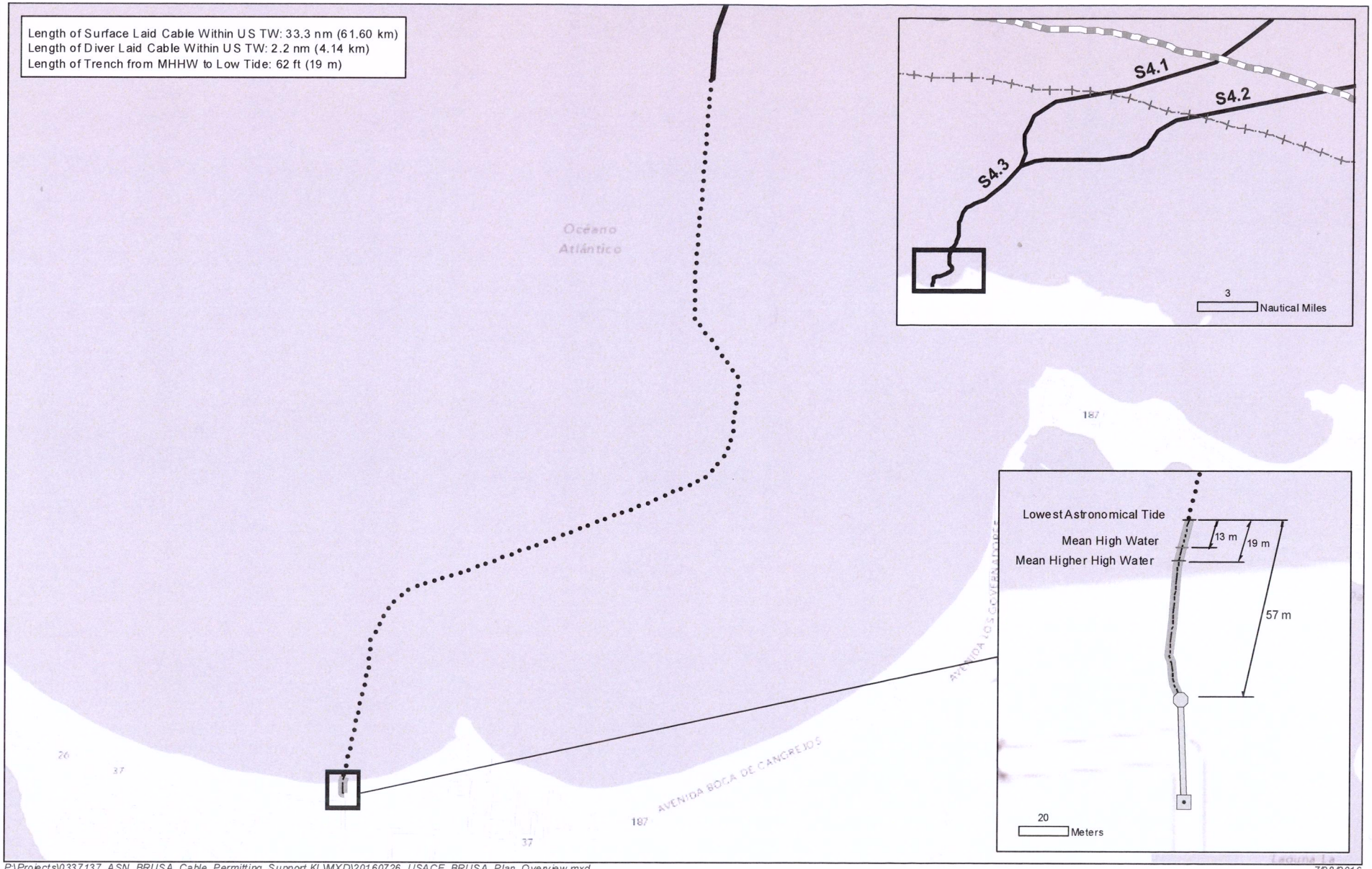

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Figure RAI3: BRUSA Cable Plan View Overview

Legend

Lay Method
- Surface Laid
- Diver Laid
- Beach Trench
- Existing Ducts
- Beach Manhole
- Duct End

Maritime Territorial Boundaries
- US Territorial Waters (12 nm)
- Puerto Rico Waters (9 nm approximated)

N

0 0.25 0.5 Nautical Miles

0 0.5 1 Kilometers

ERM

Figure 13 *Schematic of Excavation for Beach Burial*

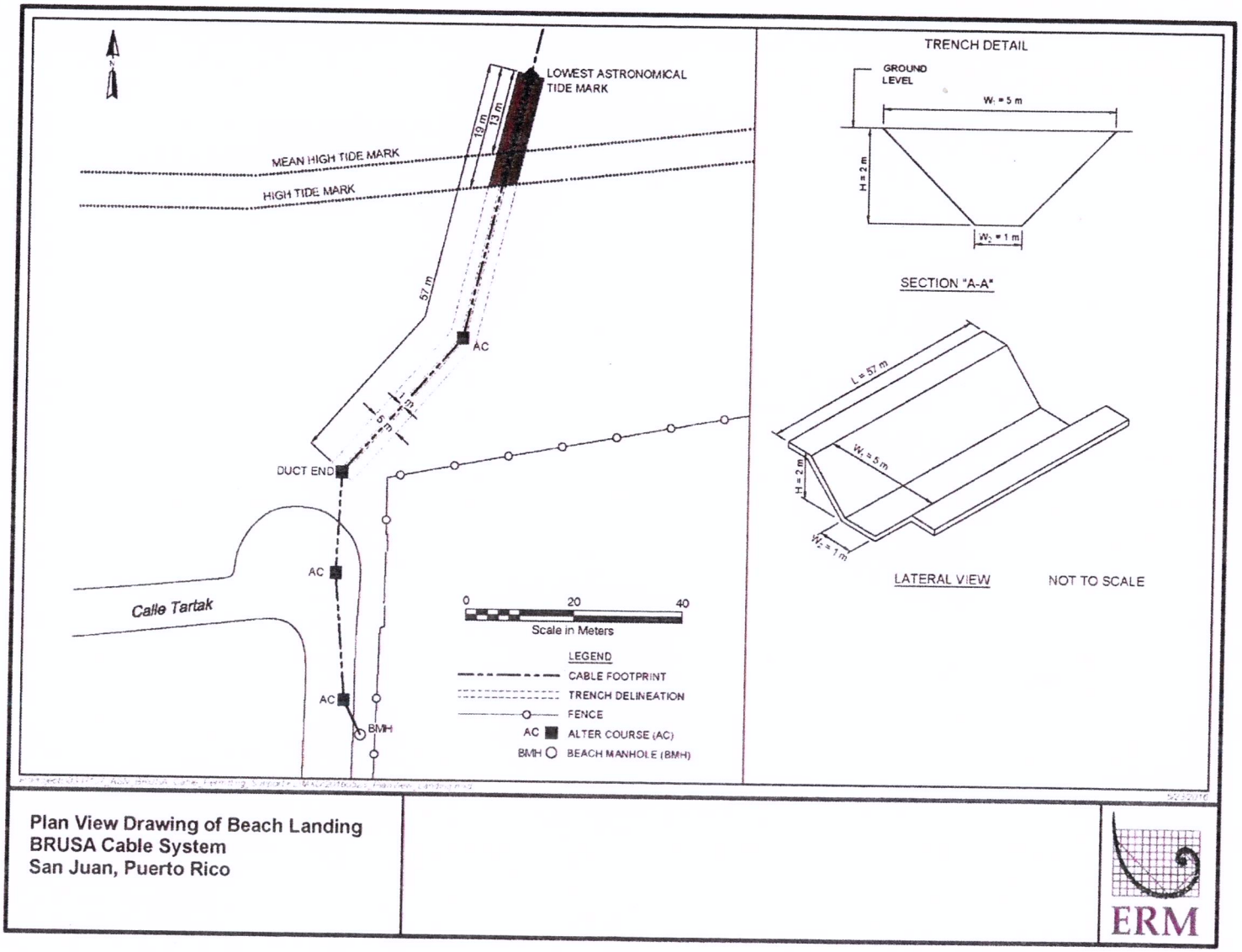
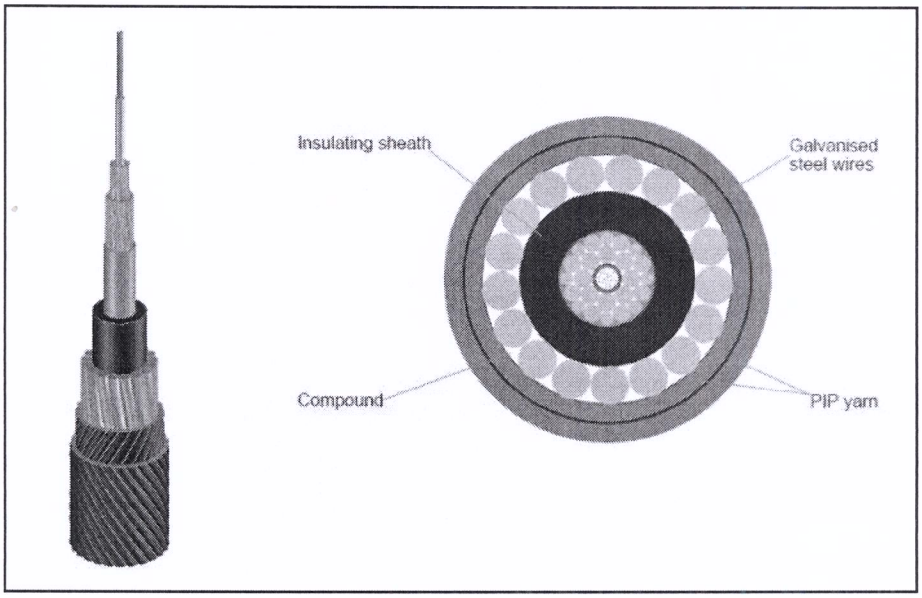


Figure 5 ***Schematic of Single and Double Armored Fiber Optic Cables***

Single Armored Cable



Double Armored Cable

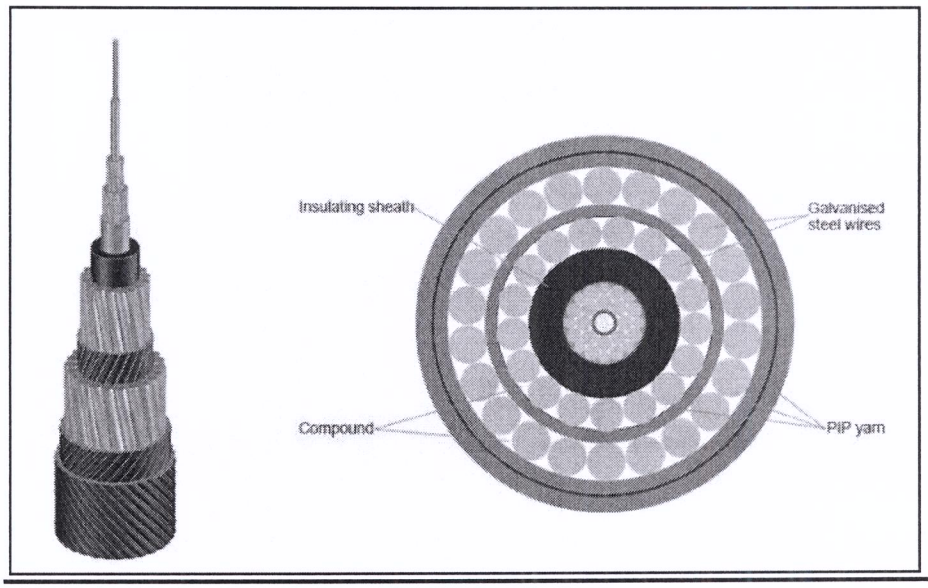


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Figure RAI2(a): Provisional Mooring Points and Clamp Locations

Legend

- Nearshore Cable Route
- Clamped Segments
- Isla Verde Reserve
- Previously Used Anchor Points
- Additional Anchor Points
- Cable Hold Back Anchors

Anchor Method

- Double Sand Bag
- Sand Bag
- Bruce Anchor
- Anchor Plate (permanent)

N

0 0.25 0.5 Nautical Miles

0 0.5 1 Kilometers

ERM

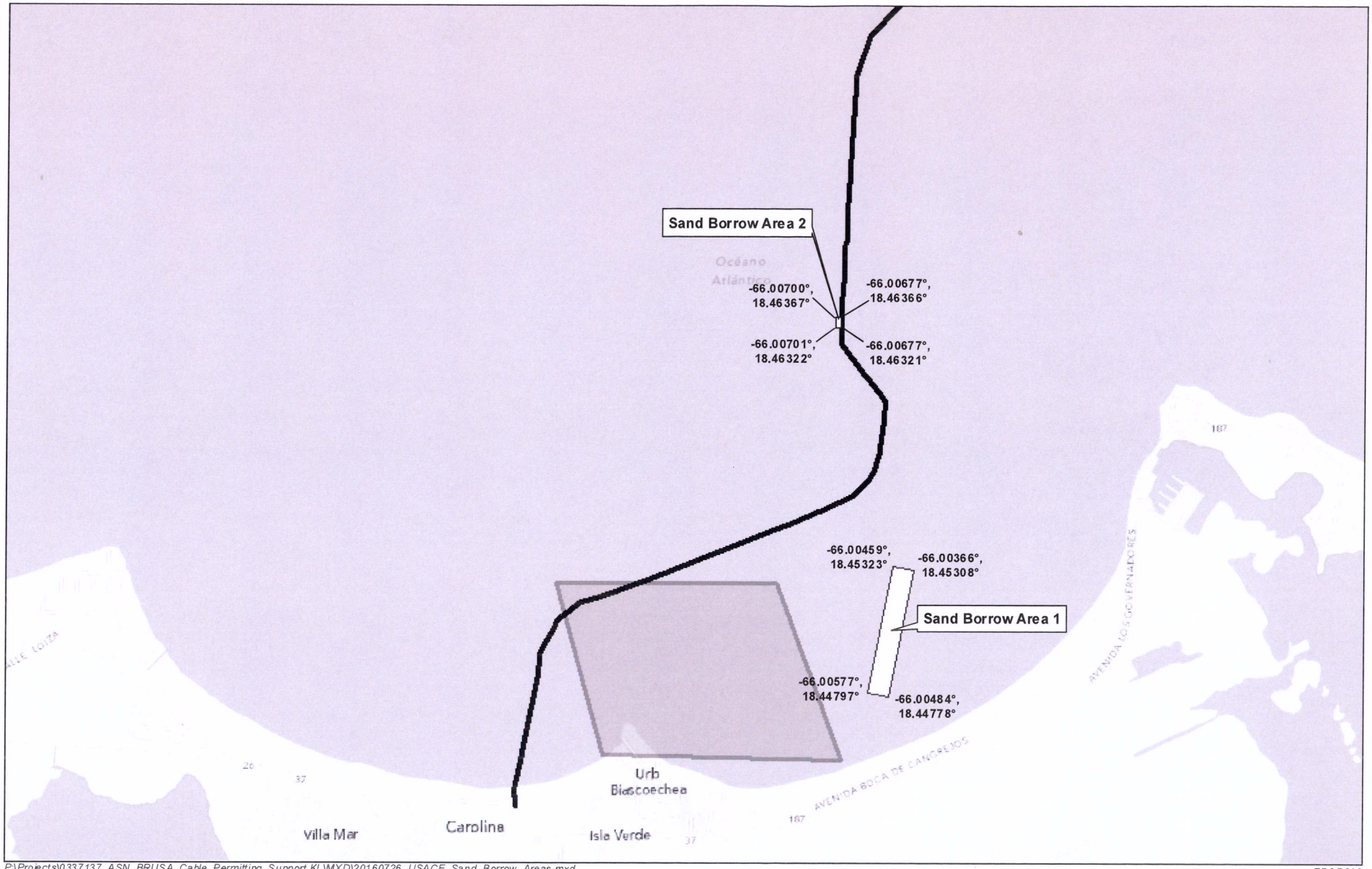

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Figure RAI4: Proposed Sand Borrow Areas

Legend

- Nearshore Cable Route
- Sand Borrow Areas
- Isla Verde Reserve

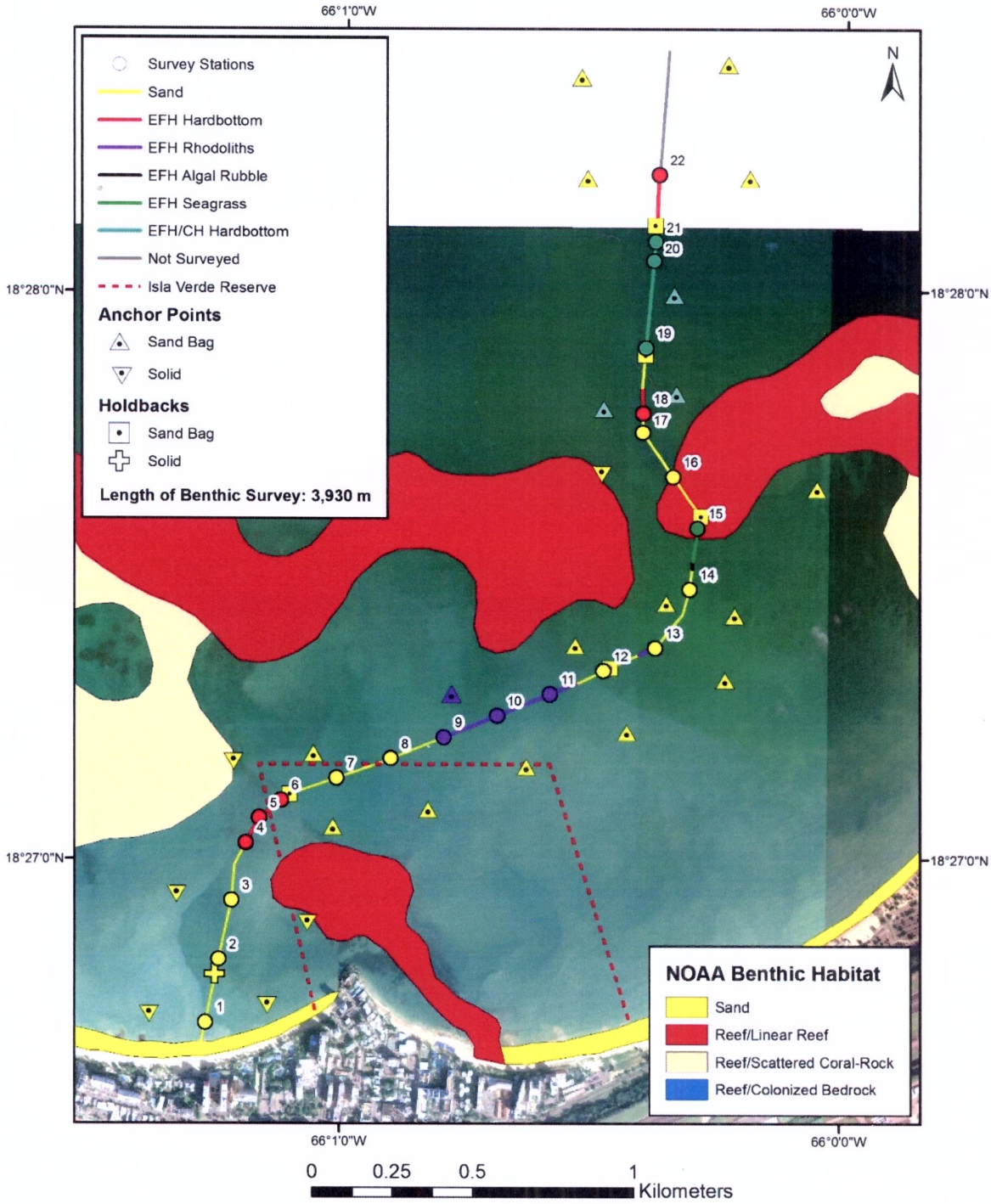
N

0 0.25 0.5 Nautical Miles

0 0.5 1 Kilometers

ERM

Figure 2.1 ***Results of Benthic Habitat Mapping along Proposed BRUSA Cable Route and Temporary Anchoring Locations***



Source: Rivera 2016