

CAPISTRANO BAY DISTRICT  
AGENDA REPORT  
October 27, 2020

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Old Business

## ITEM 9b

### Aerial Mapping Proposal from Guida Surveyors

**Guida Surveying Inc Proposal: \$7800.00**

Homeowner Dave Gutierrez had suggested the original idea to have an aerial mapping done of the community beach that shows the beachside of all the homes, the shoreline armoring that each owner has done and the waterline of the ocean – including an overlay of property lines and the location of the Mean High Tide Line (MHTL)- all on the same page.

*The reason the MHTL is so important is that this is the line that the Coastal Commission uses to determine the seaward boundary of private property. And yes, the MHTL is slowly creeping landward which means your property is shrinking a little bit each year.*

The intent with this mapping idea is to be able to show the Coastal Commission how everything on the beach side is situated relative to the MHTL. The assumption being that the armoring on the beach actually sits landward of the MHTL and is therefore on PRIVATE PROPERTY, not State lands.

Beginning in 2001, the District has been conducting a Mean High Tide Line survey every year in June around the summer solstice (just to make it consistent each year) so there is an accumulation of good data to show where this line is.

Our beach survey engineer, Guida Surveying Inc, was very accommodating in providing a sample aerial mapping overlay for the Board to consider. Also, our coastal engineer, TerraCosta Engineering indicates that this mapping product would be very useful in their work with the CCC in applying for an immediate temporary permit for shoreline protection, especially when it is clear that the CCC believes our armoring is encroaching over onto State lands.

A full aerial map of the entire community with overlapping on both the north and the south ends (to provide some easy-to-see geographic orientation) will cost **\$7800.00**. The following pages are the aerial map sample and the Guida Surveying prelim cost proposal (in email form) for the Board to consider.

