

CAPISTRANO BAY DISTRICT
AGENDA REPORT
October 27, 2020

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.

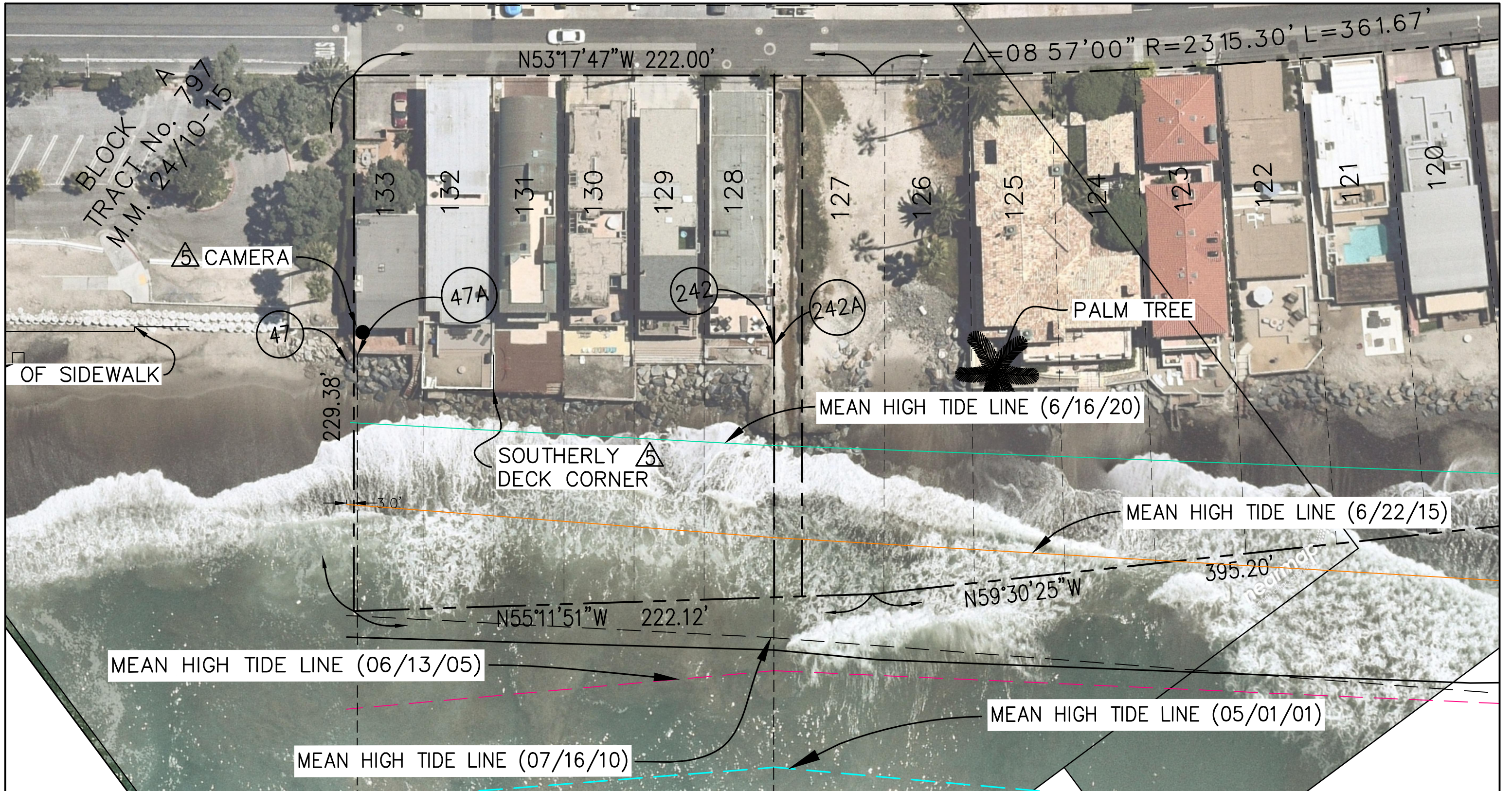
The reason the MHTL is so important is that this is the line that the Coastal Commission uses to determine the seaward boundary of private property. And yes, the MHTL is slowly creeping landward which means your property is shrinking a little bit each year.

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.

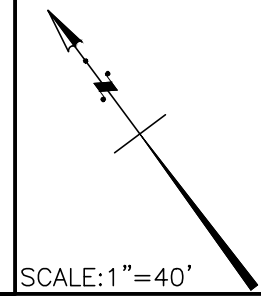
Our beach survey engineer, Guida Surveying Inc, was very accommodating in providing a sample aerial mapping overlay for the Board to consider. Also, our coastal engineer, TerraCosta Engineering indicates that this mapping product would be very useful in their work with the CCC in applying for an immediate 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.



RALPH W. GUIDA, IV
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CAPISTRANO BEACH
 MEAN HIGH TIDE SURVEY



SHEET NO.
 1
 OF 1 SHEETS

Don Russell

From: Guillermo Arredondo <garredondo@guidainc.com>
Sent: Monday, October 12, 2020 11:00 AM
To: Don Russell; Tim Fettig
Subject: RE: Aerial Mapping for Beach Road

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Don-

In order to complete the requested Aerial Mapping and additional MHTL exhibits we are looking at a cost of \$7800. This would be for an exhibit that shows an Aerial image (NearMaps) of all the property within the MHTL Survey and the 5 MHTL.

Sincerely,



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From: Don Russell <drussell@capobay.org>
Sent: Tuesday, October 6, 2020 11:15 AM
To: Guillermo Arredondo <garredondo@guidainc.com>; Tim Fettig <tfettig@guidainc.com>
Subject: Aerial Mapping for Beach Road

Good morning,

My board has requested that you include some additional MHTL data on the mapping project. In addition to the most recent survey line (2020), they are asking for the MHTL lines for the following surveys:

- 2001
- 2005
- 2010
- 2015

This would then show 5 survey lines (with dates) overlayed onto the aerial map. To eliminate confusion, we will need your cost quote before you provide any further work.

Thanks, Don