

**SPECIAL MEETING  
CITIZENS' FLOOD ZONE COMMITTEE  
TUESDAY, FEBRUARY 27, 2018, 6:00 P.M.  
COUNCIL CHAMBERS  
450 SAN RAFAEL AVENUE, BELVEDERE, CA**

**MINUTES**

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**COMMITTEE PRESENT:** Andrew Allen, Jim Allen, Glenn Isaacson, Ken Johnson, Bob McCaskill, David Rhoades, Connie Wiley, Marty Winter, and Chair Thomas Cromwell

**COMMITTEE ABSENT:** Stewart Bewley, Robert Huret, John Parsons, James Robertson, Bruce Sams, and Walter Strycker

**OTHERS PRESENT:** CLE Engineer Adrian Cormier, City Clerk Alison Foulis, Stetson Engineer James Reilly, Public Works Manager Robert Zadnik, and City Manager Craig Middleton

**CALL TO ORDER OF REGULAR MEETING**

The meeting was called to order at 6:03 PM.

**OPEN FORUM**

No one wished to speak.

**SCHEDULED ITEMS**

**1. Approve minutes of the October 11, 2017, meeting of the Citizens' Flood Zone Committee**

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The minutes were approved as presented.

**2. Update on the Department of Water Resource grant and discussion on the Phase 1 Alternatives Analysis for the Belvedere Lagoon Coastal Levee System Evaluation project.**

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Stetson Engineer James Reilly provided a presentation to the Committee on the progress of the DWR grant. Mr. Reilly reviewed the hydrologic studies conducted for the Lagoon showing the effects of a 100-year Rain Storm event and a 100-year Coastal Storm event and stated that flood protection improvements should be designed for a 100-year Coastal Storm event through a raised barrier. Mr. Reilly reviewed CLE Engineering's assessment

of the existing conditions at the San Rafael Avenue and Beach Road seawalls. Mr. Reilly then reviewed the next steps taken, including a meeting with the San Francisco Bay Conservation and Development Commission (BCDC) where revised sea level rise projections were provided. The Committee discussed which probability projection/risk aversion should be used to set the target for the initial levee raise and how frequently sea level rise projects from BCDC may change.

Mr. Reilly reviewed the other off shore flood protection alternatives that were considered in his review, as well as the evaluation matrix which determined that raising the levees was the best option. Mr. Reilly then showed how the proposed raised levee heights were determined and photograph mock-ups of the raised levee. The Committee discussed the impact that adding another pump to the Lagoon would have on the necessary heights of the raised levees and the process by which the Belvedere Lagoon Property Owners Association (BLPOA) would install another pump. The Committee also discussed Tiburon's flood preparation activities and the possible location of a wall to keep overflow from Tiburon out of the Lagoon.

CLE Engineer Adrian Cormier discussed the engineering of the Beach Road seawall. The Committee discussed the cost of the various options presented and generally felt it fiscally prudent to select a design which could be added to in the future should sea level rise projections continue to rise. The Committee discussed the recommendation from staff, the history of flooding in the Lagoon, and the importance of the final product being aesthetically pleasing. Committee Member Ken Johnson made a motion, seconded by Committee Member Andrew Allen, to recommend the City Council approve staff's recommendation to fix the immediate issues at Beach Road in such a manner that work will not need to be done twice during the next phase of the seawall project and to collect as much engineering and cost data as possible. The motion was approved unanimously.

The Committee briefly discussed the breakwater at the San Francisco Yacht Club.

### **Adjourn**

The meeting was adjourned at 7:11 PM.

**THE FOREGOING MINUTES** were approved at a regular meeting of the Citizens' Flood Zone Committee on September 12, 2018, by the following vote:

**AYES:** Andrew Allen, Jim Allen, Robert Huret, Glenn Isaacson, Ken Johnson, Bob McCaskill, David Rhoades, Walter Strycker, and Connie Wiley  
**NOES:** None  
**ABSENT:** Stewart Bewley, John Parsons, James Robertson, Bruce Sams, Marty Winter, and Chair Thomas Cromwell  
**ABSTAIN:** None

**APPROVED:** Thomas Cromwell  
Thomas Cromwell, Chair

**ATTEST:** Craig Middleton  
Craig Middleton, City Manager