

*Item 15 -  
Presented at 11/15/10  
Board meeting*

**WATER SUPPLY PLANNING COMMITTEE**

**ITEM: DISCUSSION ITEMS**

**3. UPDATE - ON - POTENTIAL WATER PROJECTS INCLUDING DESALINATION**

**A. DESALINATION PROJECTS**

**Meeting Date:** November 16, 2010      **Budgeted:** N/A

**From:** Darby Fuerst, General Manager      **Program/Line Item No.:** N/A

**Prepared By:** Andrew Bell      **Cost Estimate:** N/A

**General Counsel Review:** N/A  
**Committee Recommendation:** N/A  
**CEQA Compliance:** N/A

At the October 11, 2010 Water Supply Planning Committee meeting, the Committee reviewed a draft preliminary report by District Engineer Andrew Bell on staff's findings to date titled "Potential for Desalination Projects within the MPWMD Boundary."

In response to a request by Director Markey made prior to the meeting, staff provided a handout from the August 2008 report by Camp Dresser & McKee Inc. and ICF Jones & Stokes Associates titled "Monterey Peninsula Water Management District 95-10 Project Constraints Analysis." This handout included pages showing staff's estimate of desalination project yields in acre-feet per year corresponding to feedwater intake rates shown in gallons per minute in two of the report tables. The Committee directed staff to make a presentation to the full Board at the November 15, 2010 meeting on feedwater intake capacities in two of the tables in the Constraints Analysis report and on some of the findings made in the report.

Staff will provide an oral report on recent contacts made regarding the potential for siting seawater desalination facilities at the old Monterey treatment plant site across Del Monte Avenue from the Naval Postgraduate School Site and Sites within the City of Sand City.

**EXHIBIT**

- 3-A November 8, 2010 Memorandum from Andrew M. Bell, MPWMD District Engineer, to Darby Fuerst, MPWMD General Manager, Progress Report on Desalination Project Potential at U.S. Navy Site and Sites within City of Sand City

EXHIBIT 3-A

**MONTEREY PENINSULA WATER MANAGEMENT DISTRICT**  
**MEMORANDUM**

**DATE:** November 8, 2010  
**TO:** Darby Fuerst, General Manager  
**FROM:** Andrew M. Bell, District Engineer  
**SUBJECT:** Progress Report on Desalination Project Potential at U.S. Navy Site and Sites within City of Sand City

**SUMMARY**

This memorandum reports progress since the October 1, 2010 meeting of the Water Supply Planning Committee.

**U.S. NAVY SITE**

On September 17, 2010, General Manager Fuerst and I met with Steven A. Quimby, Installation Planner for the Naval Postgraduate School (NPS) and two other NPS staff members to learn if there is potential to site seawater desalination project facilities at the abandoned Monterey wastewater treatment plant site across Del Monte Avenue from the NPS. This site is owned by the U.S. Navy. Mr. Quimby described current uses of the property and the fact that the City of Monterey had recently released a coastal land use plan that describes potential recreational opportunities in the vicinity of the NPS property. Mr. Bell subsequently contacted City of Monterey planning staff and learned that the document Mr. Quimby described is a Waterfront Master Plan, but that it is not expected to be released until late 2011.

Mr. Quimby stated that he believes NPS would be open to consideration of desalination project facilities at this site, but that more detailed information on project facilities, land area requirements, and project construction and operations is needed. Based on feedback received at this meeting, I am preparing information showing requirements for siting, constructing, and operating a desalination project at this site for review and consideration by the NPS staff and leadership. I anticipate providing this information to Mr. Quimby by November 24, 2010.

**CITY OF SAND CITY SITES**

The City of Sand City desalination project feed water intake(extraction wells) and brine discharge (concentrate injection well) facilities are located along the coast between Bay Street on the south and Tioga Avenue on the north, as can be seen in **Attachment 1**. The Water Supply Planning Committee directed that staff contact owners of the coastal properties in Sand City north of Tioga Avenue to learn if seawater desalination facilities could be sited on these properties. As is shown in **Attachment 2**, there are seven parcels along the coast of Sand City north of Tioga Avenue. Listed from north to south, they are as follows:

November 8, 2010  
 Darby W. Fuerst  
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<u>APN</u>	<u>Owner</u>
011-501-014	Security National Guaranty Inc.
011-501-013	Monterey Peninsula Regional Park District
011-501-010	Monterey Peninsula Regional Park District
011-501-016	City of Sand City
011-012-001	Sand City Redevelopment Agency
011-012-002	Sand City Redevelopment Agency
011-012-005	Oyster Point Inn II LLC

I did not contact the City of Sand City, as in my previous meetings with Sand City representatives I was told that city properties are not available for citing desalination facilities. Results of my contacts to learn if the property owners would be open to seawater desalination facilities on the other properties listed above are as follows:

**Security National Guaranty Inc.**

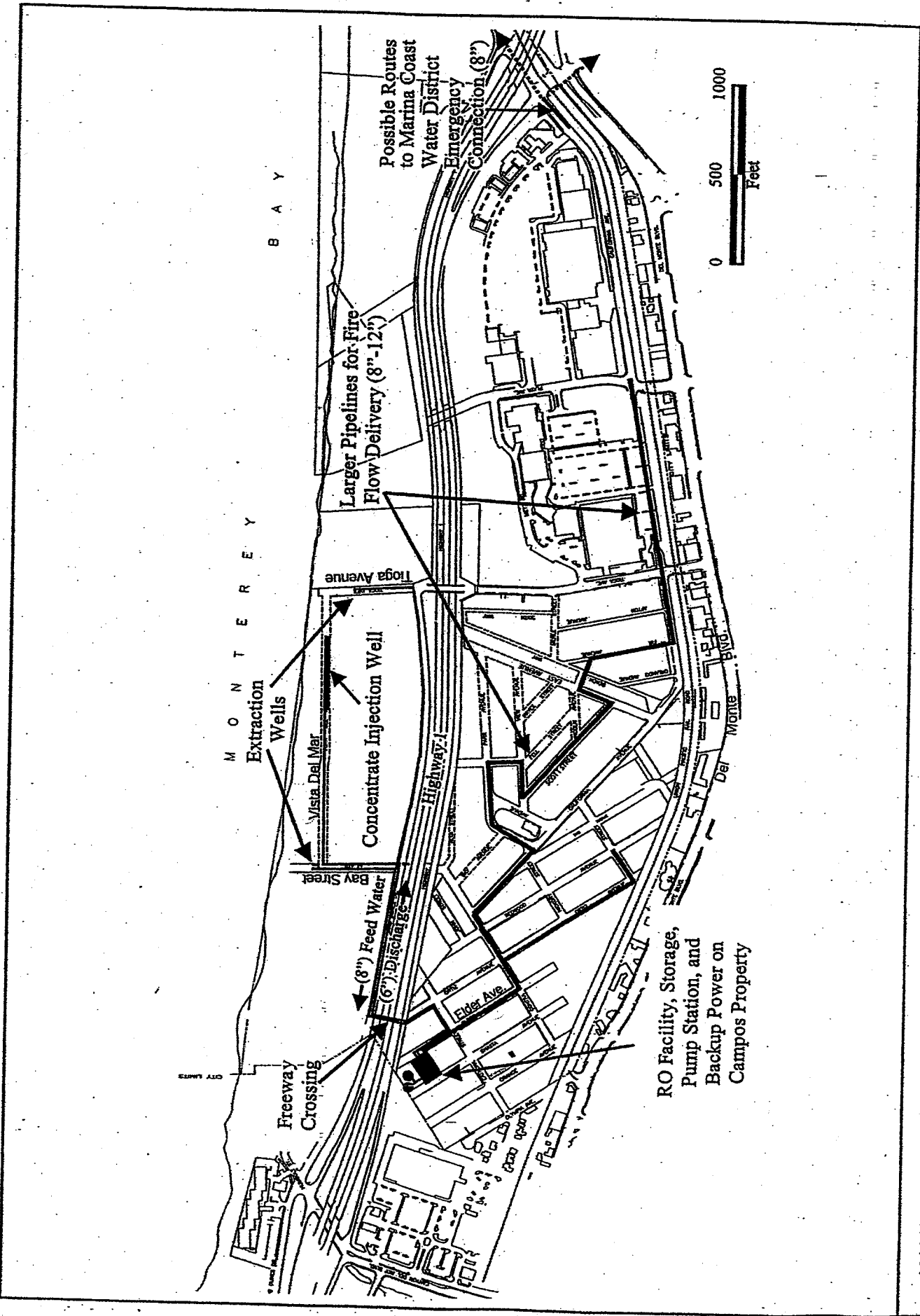
I contacted Ed Ghandour, owner/agent for Security National Guaranty. Mr. Ghandour had a number of questions and concerns regarding what facilities could be located on the property, what would be potential impacts on the Monterey Bay Shores project, and what impact there may be on Monterey Bay Shores' application for a Coastal Development Permit from the California Coastal Commission. I agreed to provide Mr. Ghandour information showing the potential locations and property requirements for seawater desalination intake facilities on the property, and access requirements for operation and maintenance of such facilities.

**Monterey Peninsula Regional Park District**

I spoke with Tim Jensen, Planning and Conservation Manager for Monterey Peninsula Regional Park District (Regional Park District). Mr. Jensen stated that for various reasons, it would be very unlikely that the properties could be used for desalination facilities. First, Regional Park District properties are not intended for non-open space projects or activities. Second, the parcels would need to be re-zoned to allow for desalination facilities, and the Regional Park District would oppose re-zoning. Third, the area is an abandoned landfill. There would presumably be water quality problems if any of the feedwater were obtained on or near the property, and there are stringent healthy and safety code requirements for construction on or in a former landfill.

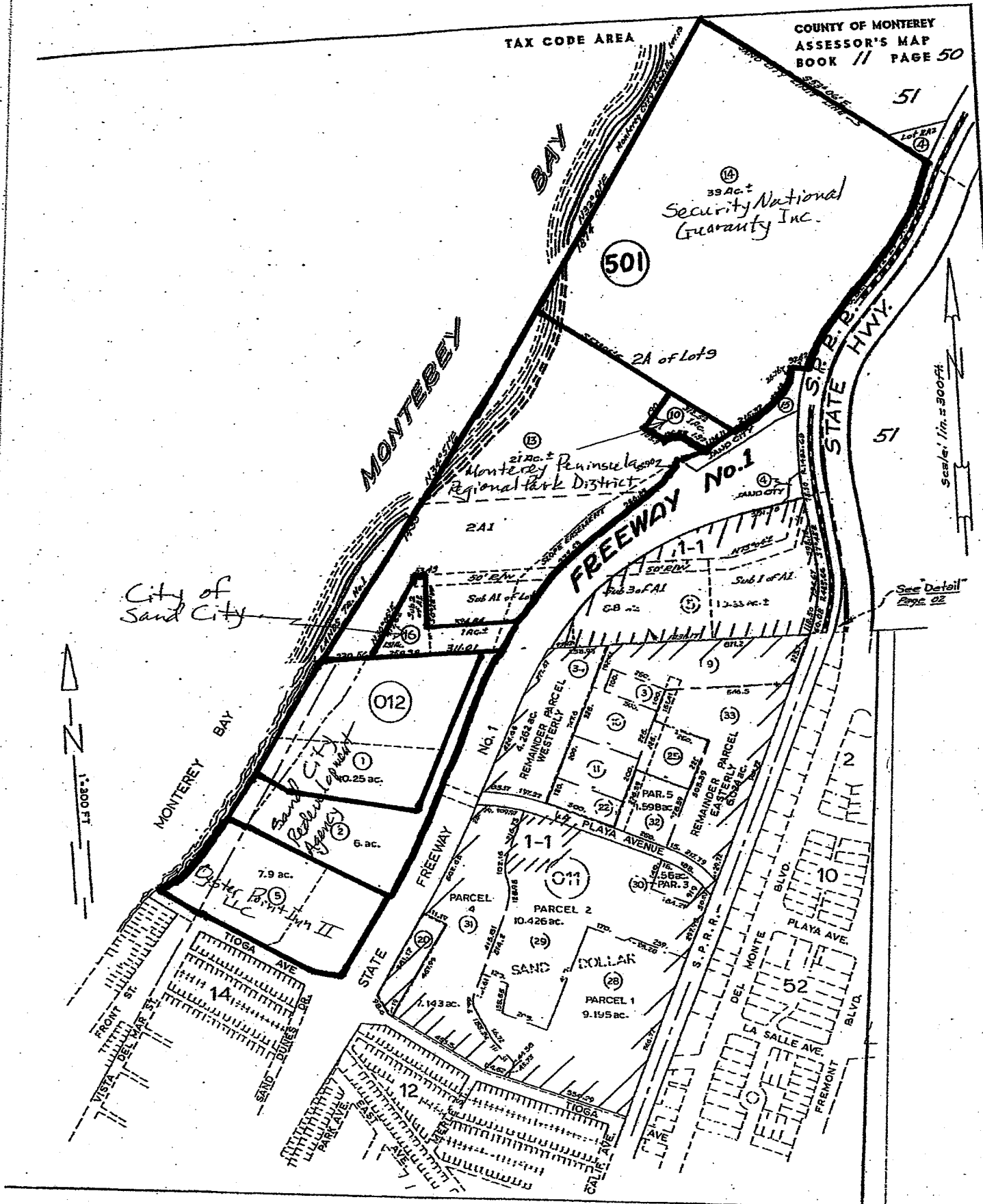
**Oyster Point Inn II LLC**

I was unable to locate a telephone number contact for this property owner. I sent the letter attached as **Attachment 3**, and to date I have not received a response.



WATER SUPPLY PROJECT IMPROVEMENTS

FIGURE 3



Attachment 3



November 1, 2010

Oyster Point Inn LLC II  
 285 Bridge Street  
 San Luis Obispo, CA 93401-5510

**SUBJECT: Potential Use of Parcel in Sand City, Monterey County, California  
 Assessors Parcel Number 011-012-005-000**

Dear Owner or Agent for Oyster Point Inn LLC II:

The Monterey Peninsula Water Management District is reviewing potential seawater desalination project sites along the coast in the Monterey Peninsula area. We would like to know if the owner(s) of the property identified as APN 011-012-005-000 would consider use of a portion of the property for siting project facilities. Facilities could include seawater intake (vertical wells, radial wells, horizontal infiltration gallery, or subsurface pipeline extending offshore), pipelines, and/or pumping facilities. What would be the conditions of allowing such use? What information, if any, regarding potential desalination project facilities would you need in order to respond?

Please contact me at 831-658-5620 or at [andy@mpwmd.dst.ca.us](mailto:andy@mpwmd.dst.ca.us). Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Andrew M. Bell".

Andrew M. Bell  
 District Engineer

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