

**CALENDAR ITEM
C51**

A	70	04/05/16
		W 10443
S	33, 34	R. B. Greenwood

**CONSIDER PRIOR APPROVAL OF SUBSIDENCE COSTS
FOR VERTICAL MEASUREMENTS AND STUDIES FOR THE PERIOD
2016-2017 FISCAL YEAR, CITY OF LONG BEACH,
LOS ANGELES COUNTY**

APPLICANT:

City of Long Beach
Long Beach Gas and Oil Department
Attn.: Mr. Robert Dowell, Director
2400 East Spring Street
Long Beach, CA 90806

BACKGROUND:

The City of Long Beach (City) conducts ground elevation measurement surveys and studies twice each year (fall and spring) throughout the Harbor District for the purpose of monitoring changes that may be attributable to subsidence. The surveys consists of vertical measurements and studies in the City of Long Beach between July 1, 2016, and June 30, 2017. The City estimates the cost of the work to be:

PROPOSED WORK	RECOMMENDED APPROVAL
GPS Real-Time Network (RTN)	\$ 50,050
GPS Elevation Surveys (Consultants)	\$105,420
Management, GPS Elevation Surveys, and Reports (City Staff)	\$479,237
Total	\$634,707

Last year's total cost was \$626,390. The estimated cost for City professional staff and City surveyors to perform GPS elevation surveys, in-house studies, evaluations, report generation, and oil field surveillance activities show a slight increase (\$8,317) from the fiscal year 2015-2016 budget, reflecting rising employee overhead costs.

CALENDAR ITEM NO. **C51** (CONT'D)

Historically, the primary method for monitoring vertical subsidence in Long Beach has been spirit leveling. The semi-annual surveys are now being conducted utilizing state of the art Global Position Satellite (GPS) technology. Field data collection time has been reduced, and the 800 spirit leveled benchmarks have been reduced to approximately 250 GPS benchmarks, including 13 Real-Time GPS base stations. Costs for vertical measurements for fiscal year 2016-2017 include spirit leveling to selected benchmarks with poor GPS signals, professional processing, reporting, and benchmark maintenance.

FISCAL IMPACT:

Subsidence costs for vertical measurements and studies conducted in Long Beach are deducted from the Long Beach Tidelands Oil Revenues, with the prior approval of the California State Lands Commission in accordance with Chapter 138, Statutes of 1964, First Extraordinary Session, section 1(e).

STATUTORY AND OTHER REFERENCES:

- A. The proposed expenditures are authorized by Chapter 138, Statutes of 1964, First Extraordinary Session, and section 1(e), subject to prior approval by the California State Lands Commission.

OTHER PERTINENT INFORMATION:

1. On June 27, 1979, the Commission approved Minute Item 27, which included, as Exhibit B, "Definitions and Procedures for Subsidence Maintenance and Repair and Subsidence Studies." Exhibit B included the procedures for performing subsidence studies and reimbursement for associated costs. Work performed under this current 2016-2017 proposal will conform to the standards identified in Exhibit B of Minute Item 27.
2. Subsidence monitoring supports the California State Lands Commission's Strategic Plan, Strategy 1.5 (ensuring the highest level of environmental protection and public safety in the production and transportation of oil and gas resources by applying Key Action 1.5.2 (ensure lease and contract compliance with sound oil and gas development practices in compliance with regulatory and statutory requirements).
3. The staff recommends that the Commission find that this activity is exempt from the requirements of the California Environmental Quality Act (CEQA) as a categorically exempt project. The project is exempt under Class 6, Information Collection; California Code of Regulations, Title 14, section 15306.

CALENDAR ITEM NO. **C51** (CONT'D)

EXHIBITS:

- A. Location Map
- B. Cost Estimate

RECOMMENDED ACTION:

It is recommended that the Commission:

CEQA FINDING:

Find that the activity is exempt from the requirements of CEQA pursuant to California Code of Regulations, Title 14, section 15061 as a categorically exempt project, Class 6, Information Collection; California Code of Regulations, Title 14, section 15306.

AUTHORIZATION:

Approve subsidence costs, as defined in Chapter 138, Statutes of 1964, First Extraordinary Session, section 1(e), and as shown on Exhibit B, attached hereto, by this reference made a part hereof, proposed to be expended by the City of Long Beach, for subsidence vertical measurements and studies to be conducted in the Long Beach Harbor District between July 1, 2016, and June 30, 2017, subject to the condition that the work conforms in essential details to the definitions and procedures for such work established by the Commission on June 27, 1979, Minute Item 27.

EXHIBIT A

W 10443

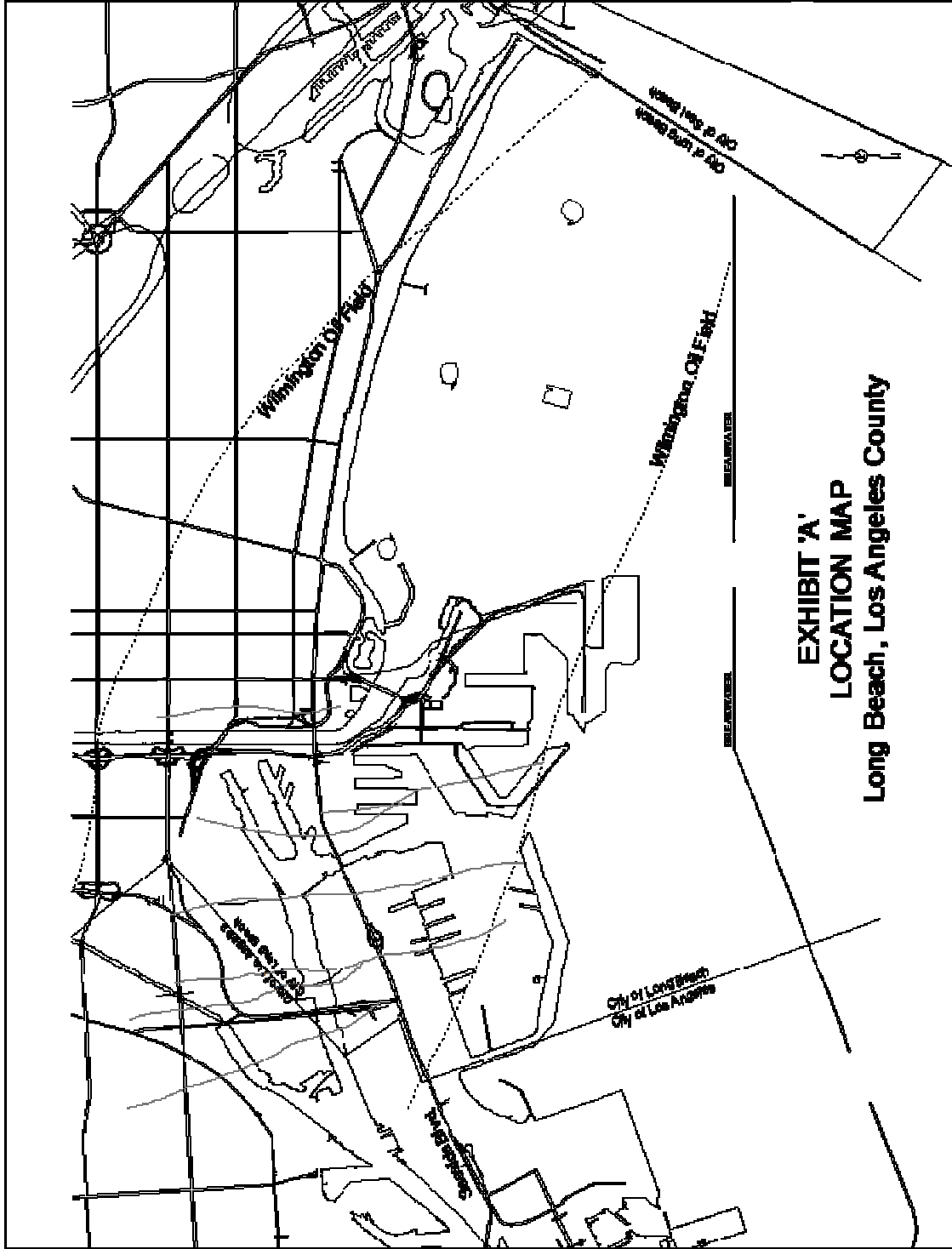


EXHIBIT B

W 10443

COST ESTIMATE
LONG BEACH WORK ORDER NO. W 10443
Estimates Submitted by City of Long Beach for
Subsidence Vertical and Horizontal Surveys
2016-2017 Fiscal Year

ITEM	PROPOSED WORK	RECOMMENDED APPROVAL
1.	GPS Real Time Network (RTN)	\$ 50,050
2.	GPS Elevation Surveys (Consultants)	\$105,420
3.	Management, GPS Elevation Surveys, and Reports (City Staff)	\$479,237
	Total	\$634,707