

*STAFF REPORT**CITY OF OCEANSIDE*

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DATE: September 24, 2014

TO: Honorable Mayor and City Councilmembers

FROM: Water Utilities Department

SUBJECT: **PLANS AND SPECIFICATIONS FOR THE ROBERT A. WEESE FILTRATION PLANT SOLID HANDLING LAGOONS PROJECT AND ADOPTION OF RESOLUTION ADOPTING THE INITIAL STUDY/MITIGATED NEGATIVE DECLARATION**

**SYNOPSIS**

Staff recommends that the City Council approve the plans and specifications for the Robert A. Weese Filtration Plant Solids Handling Lagoons project; authorize the City Engineer to call for bids; and adopt a resolution adopting the Initial Study/Mitigated Negative Declaration.

**BACKGROUND**

The City owns and operates the Robert A. Weese Water Filtration Plant (RWWFP). The current capacity of the RWWFP is 25 million gallons per day (MGD). Raw water is conveyed to the plant through San Diego County Water Authority's (SDCWA) aqueduct system. The plant was constructed and placed on line in 1983 as a direct filtration plant. The plant was upgraded in 1996 to include a chlorine contact basin, reservoir, and a flow control structure.

The City recently contracted with Carollo Engineers for the design of projects identified in the Facility Needs Assessment for the Plant. The Solids Handling Lagoons project was identified as the highest priority project for the facility. Priority is based on the critical nature of the work, potential project advantages, and operational efficiency increases. The attached site plan shows the location of the Robert A. Weese Filtration Plant Solids Handling Lagoons (Exhibit A).

This Project will replace the existing solids handling lagoons and allow the Plant to more efficiently handle solids produced by the Plant processes' and store them on-site for removal and off site disposal.

**ANALYSIS**

The City Council approved an agreement with Carollo Engineers of Oceanside in December 2013 to prepare the plans and specifications for the Robert A. Weese

Filtration Plant Solids Handling Lagoons project. The design included new solids handling lagoons, new pumping stations and associated piping and valves to accompany the lagoons. The existing solids handling lagoons do not provide the necessary settlement due to their age and condition. New solids handling lagoons are necessary to provide proper treatment and compliance with the Department of Public Health standards. Staff has worked closely with treatment plant personnel to evaluate and coordinate the solids handling processes during construction to ensure there are no interruptions to the plant production. The plans and specifications were completed in August 2014.

Staff anticipates commencement of work in January 2015, and estimates that construction of the project will take approximately eight months. The Department is planning an outreach program for residents that live near the construction zone.

The project required an Initial Study/Mitigated Negative Declaration (IS/MND) to comply with the California Environmental Quality Act. The plans and specifications and IS/MND for the project are available for review in the offices of the City Manager and the City Engineer.

### **FISCAL IMPACT**

The contract price is estimated to be \$2,095,000. The FY 2014/15 CIP budget includes \$4,797,000 in new project funds in account 908125400712. Water Sales and Water Meter Charges for service deposited under Water Fixed Asset Replacement accounts 712.4471.0001 and 712.4471.0003 respectively, are the funding sources. Although this action does not award the project and does not result in expenditures at this time, sufficient funds are available.

### **INSURANCE REQUIREMENTS**

The City's standard insurance requirements will be met.

### **COMMISSION OR COMMITTEE REPORT**

The Utilities Commission will receive an update at its regularly scheduled meeting on September 16, 2014.

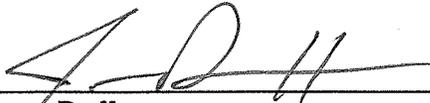
### **CITY ATTORNEY'S ANALYSIS**

The referenced documents have been reviewed by the City Attorney and approved as to form.

**RECOMMENDATION**

Staff recommends that the City Council approve the plans and specifications for the Robert A. Weese Filtration Plant Solids Handling Lagoons project; authorize the City Engineer to call for bids; and adopt a resolution adopting the Initial Study/Mitigated Negative Declaration.

PREPARED BY:

  
\_\_\_\_\_  
Jason Dafforn  
Water Utilities Division Manager

SUBMITTED BY:

  
\_\_\_\_\_  
Steven R. Jepsen  
City Manager

REVIEWED BY:

Michelle Skaggs Lawrence, Deputy City Manager

  
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Cari Dale, Water Utilities Director

  
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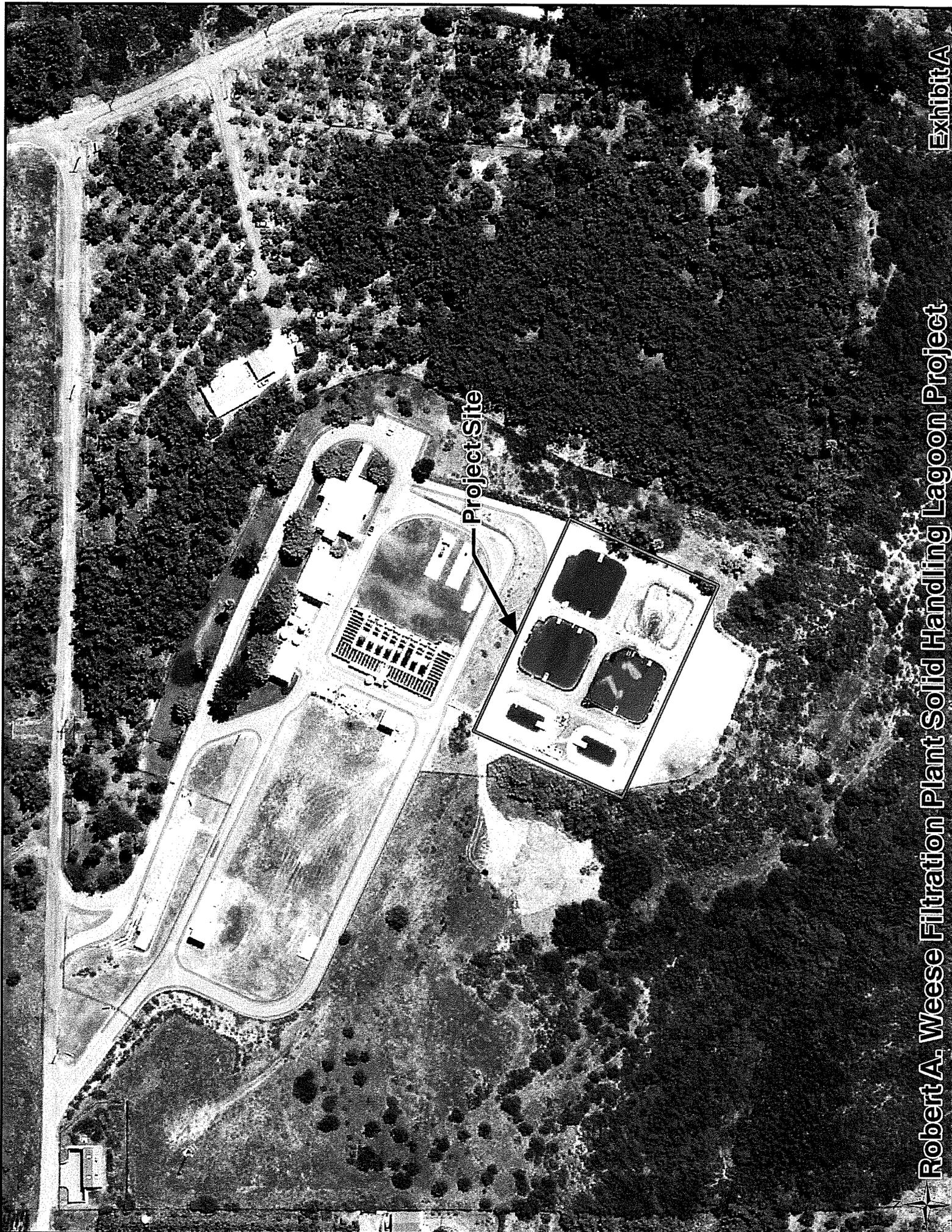
James R. Riley, Financial Services Director

  
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Scott Smith, City Engineer

  
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Exhibit A: Project Location Map



Project Site



1 NOW, THEREFORE, the City does hereby certify the Mitigated Negative Declaration  
2 and the mitigation measures provided therein and incorporated as conditions of approval, as  
3 follows:

4 **Environmental:**

5 1. A qualified biologist shall conduct a protocol survey for the presence of the coastal  
6 California gnatcatcher in the area adjacent to the project site (see MND Figure 5) that  
7 would be subject to construction noise levels exceeding 60 dB(A) hourly equivalent ( $L_{eq}$ ).  
8 Surveys for this species shall be conducted pursuant to the protocol survey guidelines  
9 established by the U.S. Fish and Wildlife Service prior to the commencement of the  
10 breeding season (February 15 – August 15).

11 a) If the coastal California gnatcatcher is present, then the following conditions must  
12 be met:

13 i. Prior to the beginning of the coastal California gnatcatcher breeding season  
14 (February 15 - August 15), under the direction of a qualified acoustician, noise  
15 attenuation measures (e.g., berms, walls) shall be implemented to ensure that  
16 noise levels resulting from construction activities will not exceed 60 dB(A)  $L_{eq}$   
17 at the edge of habitat occupied by the coastal California gnatcatcher. Cross  
18 sections were assessed to determine the required length, height, and  
19 effectiveness of the proposed noise wall around the project site, which is  
20 determined to be at least 8 feet high. The sound attenuation barrier shall be  
21 solid, with no cracks or gaps through or below the wall. Any seams or cracks  
22 shall be filled or caulked. The barrier shall have a surface density of 2 pounds  
23 per square foot (the industry standard requirement for stationary noise sources).  
24 Sheet metal of 18-gauge (minimum) may be used, if it meets the other criteria  
25 and is properly supported and stiffened so that it does not rattle or create noise  
26 itself from vibration or wind. A berm may also be used, and shall likewise have  
27 no seams or cracks and have a surface density of at least 3.5 pounds per square  
28 foot.

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- ii. Concurrent with the construction of necessary noise attenuation barriers, noise monitoring shall be conducted at the edge of the occupied habitat area to ensure that noise levels do not exceed 60 dB(A)  $L_{eq}$ . If the noise attenuation techniques implemented are determined to be inadequate by the qualified acoustician or biologist, then the associated construction activities shall cease until such time that adequate noise attenuation is achieved.
  - iii. Construction noise monitoring shall continue to be monitored bi-weekly to verify that noise levels at the edge of suitable habitat are maintained below 60 dB(A)  $L_{eq}$ . If not, other measures shall be implemented in consultation with the biologist and acoustician, as necessary, to reduce noise levels to below 60 dB(A)  $L_{eq}$ . Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.
- b) If coastal California gnatcatchers are not detected during the protocol survey, the qualified biologist shall submit substantial evidence to the City of Oceanside documenting whether or not mitigation measures such as noise walls would still be necessary between February 15 and August 15 as follows:
- i. If this evidence indicates the potential is high for coastal California gnatcatcher to be present based on historical records or site conditions, then conditions shall be adhered to as specified above under a).
  - ii. If this evidence concludes that no impacts to this species are anticipated, no mitigation measures would be necessary.

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1 PASSED AND ADOPTED by the City Council of the City of Oceanside, California,  
2 this \_\_\_\_\_ day of \_\_\_\_\_, 2014, by the following vote:

3 AYES:

4 NAYS:

5 ABSENT:

6 ABSTAIN:

8 MAYOR OF THE CITY OF OCEANSIDE

9  
10 ATTEST:

APPROVED AS TO FORM:

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12 \_\_\_\_\_  
13 City Clerk

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16 *Paul J. Hamilton, Esq.*  
17 City Attorney

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A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF OCEANSIDE, CALIFORNIA ADOPTING A MITIGATED  
NEGATIVE DECLARATION AND ASSOCIATED MITIGATION MONITORING AND REPORTING PROGRAM FOR THE WEESE  
WATER FILTRATION PLANT SOLIDS LAGOONS PROJECT