

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
81 Higuera Street, Suite 200  
San Luis Obispo, California 93401-5427**

**WATER RECLAMATION REQUIREMENTS ORDER NO. R3-2002-0061**

Waste Discharger Identification No. 3 401057001

(Adopted May 31, 2002)

For

**MONARCH GROVE HOMEOWNERS' ASSOCIATION  
MONARCH GROVE WASTEWATER RECLAMATION FACILITY,  
San Luis Obispo County  
(Producer of Reclaimed Water)**

The California Regional Water Quality Control Board, Central Coast Region (hereafter Board), finds:

**SITE OWNER AND LOCATION**

1. Monarch Grove Homeowners' Association (Discharger) owns and operates a wastewater reclamation facility located at Sea Pines Golf Course in Los Osos (Section 13, T30S, R10E, MD B&M of Morro Bay South Quadrangle). The facilities provide collection, treatment and disposal of wastewater generated by the 83-unit Monarch Grove residential development, and 48-unit Sea Pines Hotel and Golf Course. The facilities are shown on Attachments "A" and "B" of this Order.

equalization, primary and secondary clarification, trickling filtration, chemical addition, filtration and disinfection. Treated wastewater is reclaimed as irrigation water at the adjacent Sea Pines Golf Course. Design capacity of the treatment facility is 30,000 gpd.

3. Sea Pines Golf Course uses reclaimed water supplied by the Discharger. This primary user of reclaimed water is regulated by separate water reclamation requirements. The golf course consists of 33 acres, half of which was developed as part of the Monarch Grove project. The reclamation area is located on slightly rolling topography consisting of medium to fine dune sands

**PURPOSE OF ORDER**

2. A Report of Waste Discharge on behalf of Monarch Grove Homeowners' Association was filed on October 31, 2001, in accordance with Sections 13260 and 13522.5 of the California Water Code. The report was filed to document change of ownership and for continued authorization to discharge reclaimed water from a treatment facility serving a residential development and hotel and golf course in the community of Los Osos.

4. **Ground Water** - Depth to ground water varies from approximately 12 to 30 feet. Ground water quality in the vicinity of the project was reported as follows:

Total Dissolved Solids	340 mg/l
Sodium	63 mg/l
Chloride	50 mg/l
Nitrate (as N)	11 mg/l

**FACILITY/SITE DESCRIPTION**

3. Approximately 20,000 gallons per day (gpd) of domestic wastewater are treated at the facility. The treatment facilities consist of flow

**BASIN PLAN**

5. The Water Quality Control Plan, Central Coast

Item No. 3 Attachment No. 2  
October 6, 2005 Panel Hearing  
Monarch Grove Homeowners  
Association Wastewater Facility

Basin (Basin Plan) was adopted by the Board on September 4, 1994. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.

6. The Basin Plan prohibits new and existing individual and community sewage disposal systems within the Los Osos/Baywood Park area. However, the Basin Plan also specifies standard exemption criteria may be applied in the Los Osos area. The applicant requests exemption to the Basin Plan prohibition of discharge in the Los Osos area and has submitted information which supports this request.
7. **Reclaimed Water** - Title 22, Chapter 3 of the California Code of Regulations specifies State Department of Health Services' criteria for use of reclaimed water. The Board has consulted with the State and County Health Departments regarding these reclamation requirements.
8. **Beneficial Uses** - Present and anticipated beneficial uses of ground water in the vicinity of the discharge include: Domestic, Municipal, Agricultural and Industrial Supply.

#### MONITORING PROGRAM

9. Monitoring and Reporting Program (MRP) No. R3-2002-0061 is part of the proposed Order. The MRP requires routine wastewater effluent sampling and analyses to verify compliance with this Order. Monitoring reports are required monthly and an annual report is required by January 30<sup>th</sup> of each year.

#### CEQA

10. An Environmental Impact Report (EIR) was completed for the proposed Monarch Grove Development and certified by San Luis Obispo County on March 25, 1993, in accordance with the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) and the California Code of Regulations.

Mitigation measures to prevent nuisance and assure protection of beneficial uses of surface and ground waters will be implemented through this Order.

The EIR identified three environmental issues associated with the wastewater reclamation facility: 1) odor generation; 2) sludge disposal; and 3) disposal of treated wastewater. Each of these issues is addressed in the proposed Order. The EIR concluded potential for odor problems is insignificant with proper operation of the treatment facility. Sludge disposal is specified in the EIR to be in the same manner as septage. The volume of sludge generated by the proposed project will be only 1.5 percent of the septage generated by the entire community. Therefore, the potential impact of sludge disposal is insignificant. However, sludge disposal is addressed in the proposed Order and appropriate disposal sites must be approved by the Executive Officer. Disposal of treated wastewater is specifically addressed in the proposed Water Reclamation Requirements for "producer" and "user" of reclaimed water. Environmental impacts should be prevented and/or mitigated by the provisions of these Orders.

Pursuant to CEQA guidelines Section 15096, the Regional Board, as a responsible agency, has a more limited role than the lead agency. The Regional Board is responsible for mitigating or avoiding only the direct or indirect environmental effects of those parts of the project which it approves. The EIR does not identify any significant environmental impacts resulting from proposed wastewater treatment or reclamation. Adoption of these waste discharge requirements is categorically exempt from CEQA pursuant to CEQA guidelines section 15301 (15 C.C.R. section 15301) because the regulated facility is an existing facility.

#### EXISTING ORDERS/GENERAL FINDINGS

11. The Board has regulated discharge from this

facility since 1993 through Order No. 93-81.

12. Discharge of waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assure this and mitigate any potential adverse changes in water quality due to discharge.
13. On March 7, 2002, the Board notified the Discharger and interested agencies and persons of its intent to re-issue water reclamation requirements for the discharge and has provided them with a copy of the proposed Order and an opportunity to submit written views and comments.
14. After considering all comments pertaining to this discharge during a public hearing on May 31, 2002, this Order was found consistent with the above findings.
15. Any person affected by this action of the Regional Board may petition the State Water Resources Control Board (State Board) to review the action in accordance with Section 13320 of the California Water Code and Title 23, California Code of Regulations, Section 2050. The petition must be received by the State Board within 30 days of the date of this Order. Copies of the law and regulations applicable to filing petitions will be provided upon request.

**IT IS HEREBY ORDERED**, pursuant to authority in Section 13263 of the California Water Code, Monarch Grove Homeowners' Association, its agents, successors, and assigns, may discharge waste at Monarch Grove Wastewater Reclamation Facilities, providing compliance is maintained with the following:

All technical and monitoring reports submitted pursuant to this Order are required pursuant to

Section 13267 of the California Water Code. Failure to submit reports in accordance with schedules established by this Order or attachments to this Order, or failure to submit a report of sufficient technical quality to be acceptable to the Executive Officer, may subject the discharger to enforcement action pursuant to Section 13268 of the California Water Code. The Regional Board will base all enforcement actions on the date of Order adoption.

(Note: other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.)

Throughout these requirements footnotes are listed to indicate the source of requirements specified. Requirement footnotes are as follows:

A = California Code of Regulations, Title 22  
B = Basin Plan

Requirements not referenced with a footnote are based upon staff's professional judgement.

#### A. PROHIBITIONS

1. Discharge to areas other than the lined effluent holding pond or golf course irrigation areas shown in Attachment B, is prohibited.
2. Discharge of any wastes including overflow, bypass, overspray and runoff from transport, treatment, or disposal systems to adjacent drainageways or adjacent properties is prohibited.
3. Bypass of the treatment facility and discharge of untreated or partially treated wastes directly to the golf course irrigation areas is prohibited.<sup>A</sup>
4. Discharges from self-regenerating water softeners or of toxic or hazardous materials to the sewer system are prohibited.

**B. RECLAMATION SPECIFICATIONS**

1. Daily flow averaged over each month shall not exceed 30,000 gallons.
2. Reclaimed water discharged from the treatment facility shall at all times be adequately oxidized, coagulated, clarified, filtered, disinfected<sup>A</sup> and not exceed the following limitations:

Parameter	Units	Monthly	
		Mean	Max.
BOD <sub>5</sub>	mg/l	30	90
Suspended Solids	mg/l	30	90
Settleable Solids	ml/l	0.1	0.3
Turbidity <sup>A</sup>	NTU	2*	5**
Total Nitrogen (as N)	mg/l	22	
Dissolved Oxygen	mg/l	Minimum of 1.0	
pH <sup>B</sup>	units	In range 6.5-8.4	

\* 24-hr mean value.<sup>A</sup>

\*\*Turbidity must not exceed 5 NTU more than 5% of the time within a 24-hr period and must not exceed 10 NTU.<sup>A</sup>

3. The median number of coliform organisms in reclaimed water shall not exceed 2.2 MPN per 100 ml, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of coliform organisms shall not exceed 23 MPN per 100 ml in more than one sample in any 30 day period and shall not exceed 240 MPN per 100 ml in any single sample.<sup>A</sup>
4. Chlorine residual in reclaimed water shall equal or exceed 0.5 mg/l, as measured immediately after the chlorine contact zone. Chlorine contact time shall exceed 90 minutes and the contact time multiplied by the residual (LT) shall be at least 450.
5. Delivery of reclaimed water for irrigation purposes shall cease and all wastewater shall be contained within the effluent holding pond if:

- a. Disinfection of wastewater ceases at any time; or,
- b. Reclamation specifications are violated or threaten to be violated.

6. Freeboard shall exceed two feet in the effluent holding pond at all times unless the pond is specifically engineered for a different freeboard.
7. Wastewater treatment and storage facilities shall be managed to exclude the public and posted to warn the public of the presence of wastewater.

**C. GROUND WATER LIMITATIONS**

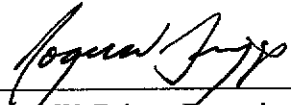
1. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying ground waters, as determined by comparison of samples collected from wells located upgradient and downgradient of the disposal area.
2. The discharge shall not cause concentrations of chemicals and radionuclides in ground water to exceed limits set forth in Title 22, Chapter 15, Articles 4, 4.5, 5 and 5.5 of the California Code of Regulations.<sup>B</sup>

**D. PROVISIONS**

1. The Discharger shall comply with "Monitoring and Reporting Program No. R3-2002-0061," as specified by the Executive Officer.
2. The Discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January 1984.
3. The wastewater treatment facilities shall be operated by qualified (State certified) personnel according to the requirements specified in Section 13627 of the California Water Code.
4. The Discharger has developed an Engineering Report on the Production, Distribution and Use

- of Reclaimed Water in conformance with Title 22. Revisions to the engineering report shall be subject to review and approval of the Executive Officer after consultation with State and local Health Departments.<sup>A</sup>
5. The Discharger shall implement best management practices for minimizing salts in the reclaimed water.
  6. Pursuant to Title 23, Division 3, Chapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than June 7, 2006, addressing:
    - a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,
    - b. Whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.
  7. This order replaces Order No. 93-81, Water Reclamation Requirements for Monarch Grove Associates, Monarch Grove Wastewater Reclamation Facility, San Luis Obispo County. Order No. 93-81 is hereby rescinded. In rescinding Order No. 93-81, the Regional Board specifically reserves the right to take any action authorized by law to enforce violations of Order No. 93-81.
  8. The Discharger shall install an all-weather access road to the treatment facilities by October 1, 2002 in order to facilitate solids removal and chemical deliveries directly from/to the facility.

**I, ROGER W. BRIGGS**, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on May 31, 2002.

  
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Roger W. Briggs, Executive Officer

6-7-02  
\_\_\_\_\_  
Date

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION**

**MONITORING AND REPORTING PROGRAM NO. R3-2002-0061**

For

**MONARCH GROVE HOMEOWNERS' ASSOCIATION,  
MONARCH GROVE WASTEWATER RECLAMATION FACILITY,  
San Luis Obispo County  
(Producer of Reclaimed Water)**

**EFFLUENT MONITORING**

Representative samples of effluent shall be collected and analyzed as follows:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Daily Flow*	MG	Metered	Daily
Maximum Flow	MGD	Metered	Monthly
Average Flow	MGD	Calculated	Monthly
Turbidity	NTU	Metered	Continuous <sup>A</sup>
Total Coliform Organisms	MPN/100 ml	Grab	Daily <sup>A</sup>
Settleable Solids	ml/l	Grab	Daily <sup>A</sup>
Chlorine Residual	mg/l	Grab	Daily
BOD <sub>5</sub>	mg/l	24-hr. composite	Weekly
Suspended Solids	mg/l	24-hr. composite	Weekly
Dissolved Oxygen	mg/l	Grab	Weekly
pH	units	Grab	Weekly
Total Nitrogen*	mg/l	Grab	Monthly
Total Dissolved Solids	mg/l	24-hr. composite	Semi-annually (April & October)
Sodium	mg/l	24-hr. composite	Semi-annually " "
Chloride	mg/l	24-hr. composite	Semi-annually " "

\*Nitrogen and flow data shall be reported to Sea Pines Golf Course to facilitate appropriate fertilizer application requirements.

**REPORTING**

Monthly reports shall be submitted by the 30th day of the month following sampling and shall include all data collected or calculated over the previous month including:

1. Results of reclaimed water monitoring;
2. Summary of operational problems, plant and equipment malfunctions, and any diversion of reclaimed water which does not meet the requirements specified in this Order; and,

3. A record of equipment or process failures, as well as any corrective and preventative measures taken.

Monthly reports shall also be copied to the Preharvest Shellfish Sanitation Program, Department of Health Services, Environmental Management Branch, 2151 Berkeley Way, Room 104, Berkeley, CA 94704.

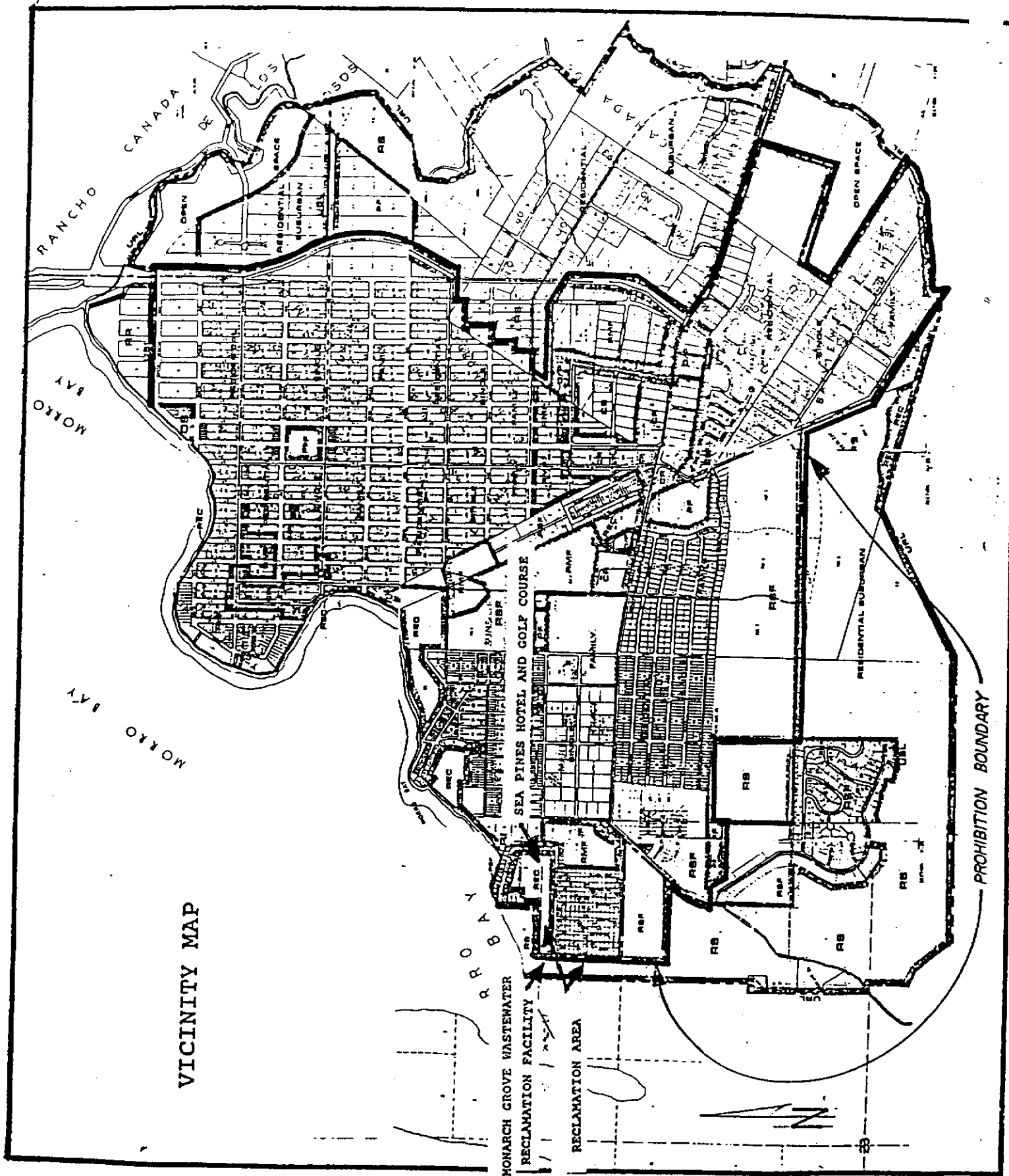
Any discharge of untreated or partially treated wastewater to the reclamation area shall be reported immediately by telephone to the Regional Board, State Department of Health Services Shellfish Sanitation Branch, San Luis Obispo County Health Department and Williams Shell Fish Farms, at the following numbers:

Sorrel Marks, Regional Board	805/549-3147
A. Marc Commadore, DHS Shellfish Branch	510/540-3317
SLO Co. Div. of Environmental Health	805/781-5544
Diane Ramos, Williams Shell Fish Farms	805/782-0502

Annual reports shall be submitted by January 30 of each year in accordance with Standard Provisions and Reporting Requirement C.16. Annual reports shall also summarize actions taken to verify ongoing implementation of best management practices for salts reduction. Annual reports shall also be provided to the California Department of Health Services, Drinking Water Field Operations Branch, 1180 Eugenia Place, Suite 200, Carpinteria, CA 93013

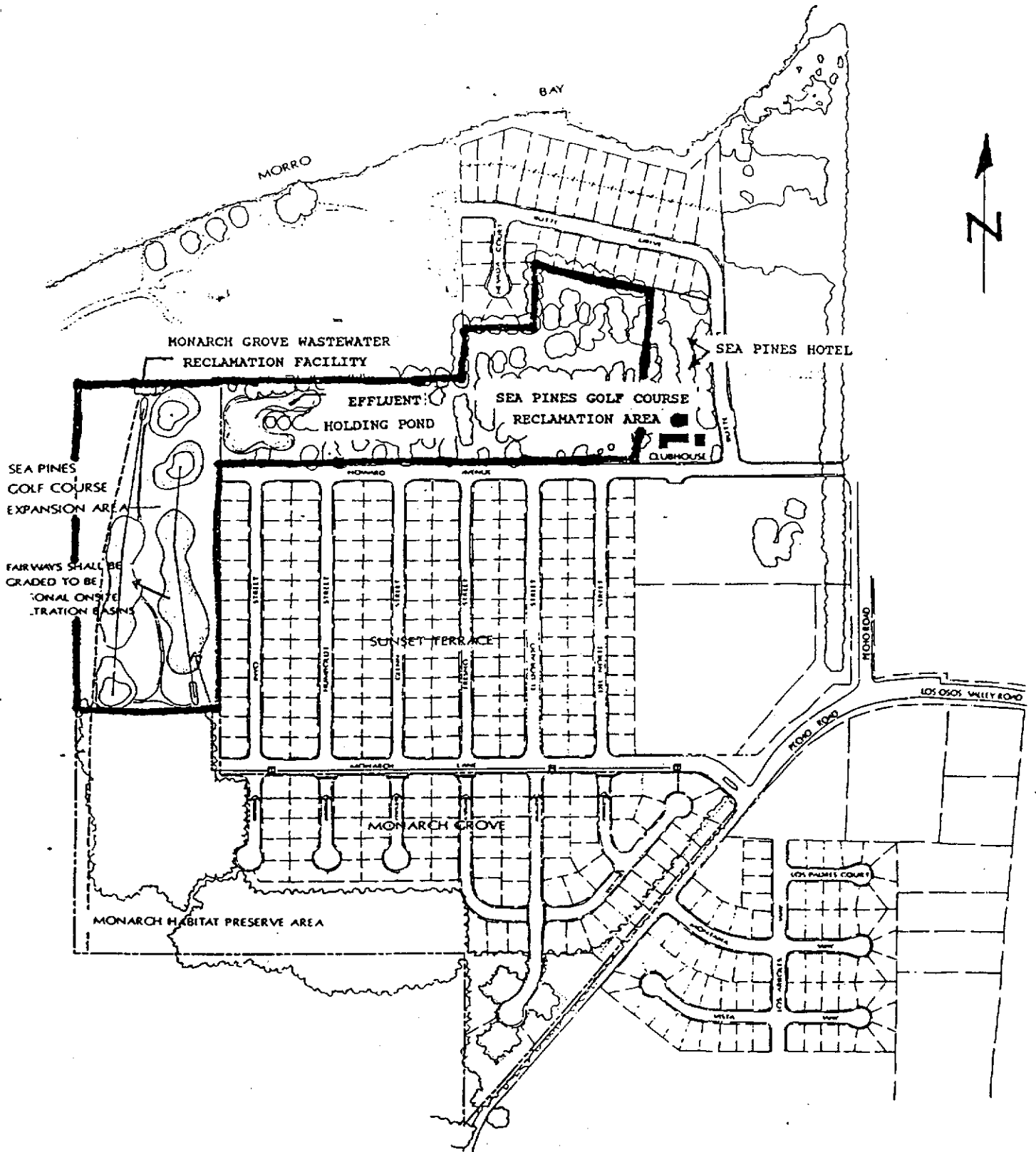
Ordered by *Reginald J. [Signature]*  
Executive Officer

6-7-02  
Date



VICINITY MAP





ATTACHMENT B