

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
1102-A Laurel Lane
San Luis Obispo, California 93401

ORDER NO. 89-64

WASTE DISCHARGE REQUIREMENTS
FOR
SANTA CRUZ COUNTY SERVICE AREA NO. 5,
CANON DEL SOL
SANTA CRUZ COUNTY

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

1. Fred N. Rabe Engineering, Inc. submitted a Report of Waste Discharge, on January 11, 1989, in accordance with Section 13260 of the California Water Code. The report was filed on behalf of Santa Cruz County for Service Area No. 5 for authorization to discharge wastewater within the Pajaro River Sub-basin. The information supports a request for discharge of treated domestic wastewater.
2. Santa Cruz County Public Works Department (hereafter Discharger), operates a wastewater treatment and disposal system located in Santa Cruz County approximately five miles west of the City of Watsonville, within 1000 feet of the Pacific Ocean. The facilities are in the northwest quarter of the northwest quarter of Section 3, T12S, R1E MD B&M, as shown on Attachment "A" of this order. Canon Del Sol is a condominium project consisting of 97 units. All units are completed and have been sold or offered for sale.
3. Currently, an average of approximately 10,000 gallons-per-day (38 m³/day), of treated wastewater are discharged at this facility. The treatment facility is a 30,000 gallon-per-day extended aeration plant consisting of an aeration basin, secondary clarifier and aerobic digester. A 10,000 gallon flow equalization tank is also available. Treated wastewater is discharged to twenty-eight seepage pits, as shown on Attachment "B". An engineering report provided by the discharger shows a design seepage pit percolation rate to be up to seven gallons per square foot per day. Design treatment and disposal capacity is 30,000 gallons-per-day (114 m³/day), average daily flow.

4. The U.S. Geological Survey has stated ground water in the Aromas Sand formation, occurring in the vicinity of the discharge, has been pumped at its potential yield since the early 1970's. There has been no change (1966-1988) in groundwater quality (chloride content). Ground water in the Aromas Sand Formation is at a depth of approximately 60 to 75 feet and moves towards the Pacific Ocean.
5. These waste discharge requirements are being updated and revised. The discharge has been regulated by Waste Discharge Requirements Order No. 81-57, adopted by the Board on July 10, 1981.
6. The Water Quality Control Plan, Central Coastal Basin, (Basin Plan) was adopted by the Board on March 14, 1975, and approved by the State Water Resources Control Board on March 20, 1975. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
7. Present and anticipated beneficial uses of groundwater down-gradient of the disposal areas are not being utilized at this time.
8. These waste discharge requirements are for an existing facility and are exempt from provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et. seq.) in accordance with Section 15101, Chapter 3, Title 14, of the California Code of Regulations.
9. 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 the discharge.
10. On March 1, 1989, the Board notified the Discharger and interested agencies and persons of its intent to revise waste discharge requirements for the discharge and has provided them with a copy of the proposed order and an opportunity to submit written views and comments.
11. After considering all comments pertaining to this discharge during a public hearing on May 12, 1989, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Santa Cruz County Service Area No. 5, its agents, successors, and assigns, may discharge waste at Canon Del Sol, providing compliance is maintained with the following:

(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. Applicable paragraphs are referenced in paragraph C.3. of this Order.)

A. Prohibitions

1. Discharge to areas other than seepage pits/disposal areas shown in Attachment "B," is prohibited.
2. Discharge of any wastes, including overflow, bypass, seepage, and over-spray from transport, treatment, or disposal systems to surface waters adjacent drainageways, adjacent properties, or the soil surface is prohibited.
3. Bypass of the treatment facility and discharge of untreated or partially treated wastes directly to the seepage pits is prohibited.
4. Wastewater other than domestic waste from the Canon Del Sol Development, discharged to the treatment system, is prohibited.
5. Discharge of wastewater within 100 feet of any domestic water well is prohibited.

B. Discharge Specifications

1. Daily flow averaged over each month shall not exceed 30,000 gallons (114 m³).
2. Effluent discharged to the seepage pits shall not exceed the following limitations:

<u>Parameter</u>	<u>Units</u>	<u>Quarterly Average</u>	<u>Daily Maximum</u>
Settleable Solids	mg/l	-	0.1
Suspended Solids	mg/l	50	75

3. Effluent discharged to the seepage pits shall not have a pH less than 6.5 or greater than 8.4.

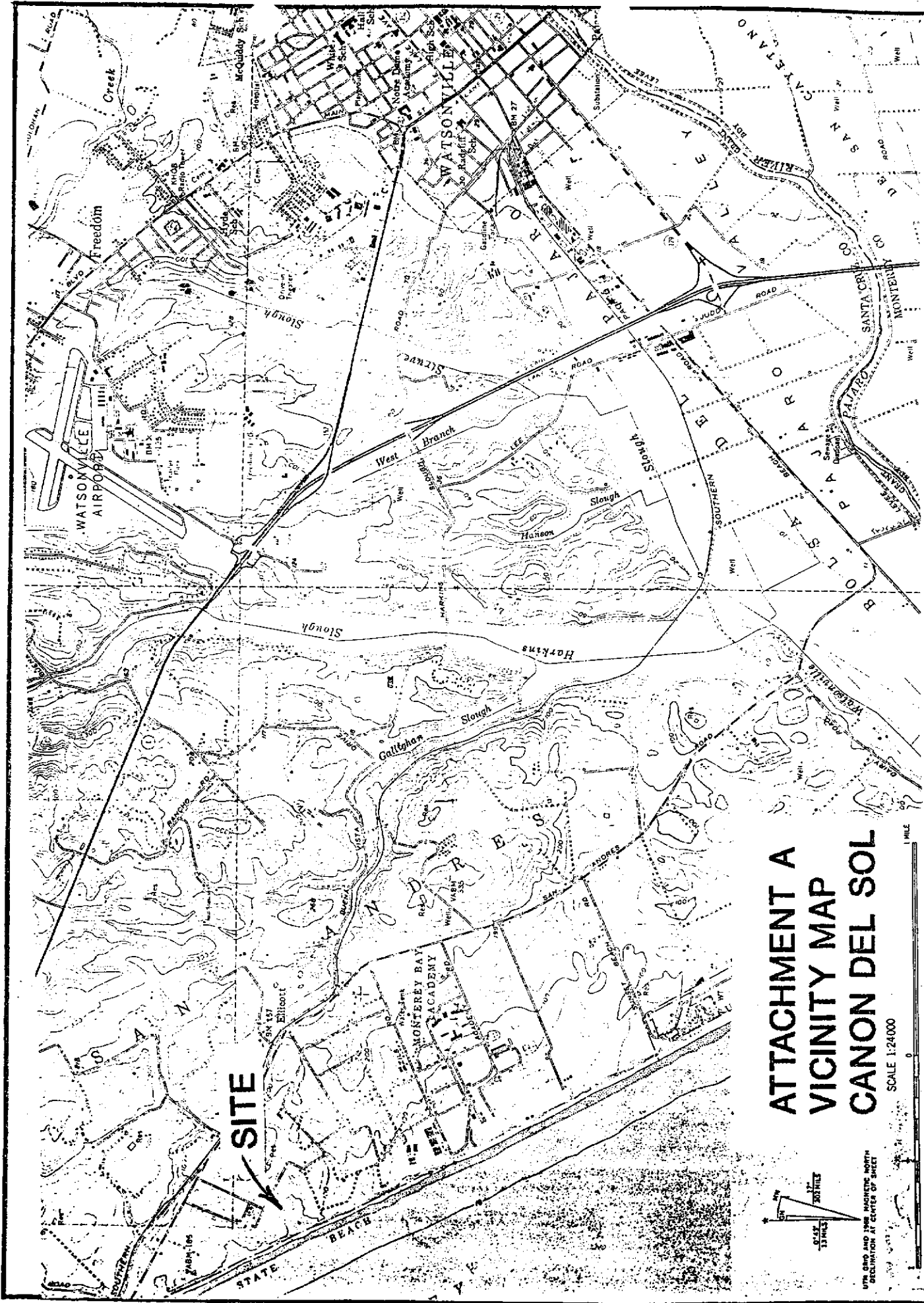
4. Surface drainage and ponding shall be excluded from wastewater disposal areas.

C. Provisions

1. Order No. 81-57 "Waste Discharge Requirements for Santa Cruz County Service Area No. 5, Canon Del Sol, Santa Cruz County," adopted by the Board on July 10, 1981, is hereby rescinded.
2. Discharger shall comply with "Monitoring and Reporting Program No. 89-64," as specified by the Executive Officer.
3. Discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984, except item A.6.
5. Pursuant to Title 23, Chapter 3, Subchapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than December 1, 1993, addressing:
 - a. Whether there has been any 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.

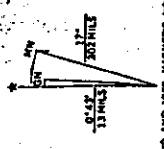
I, WILLIAM R. LEONARD, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on May 12, 1989.


Executive Officer

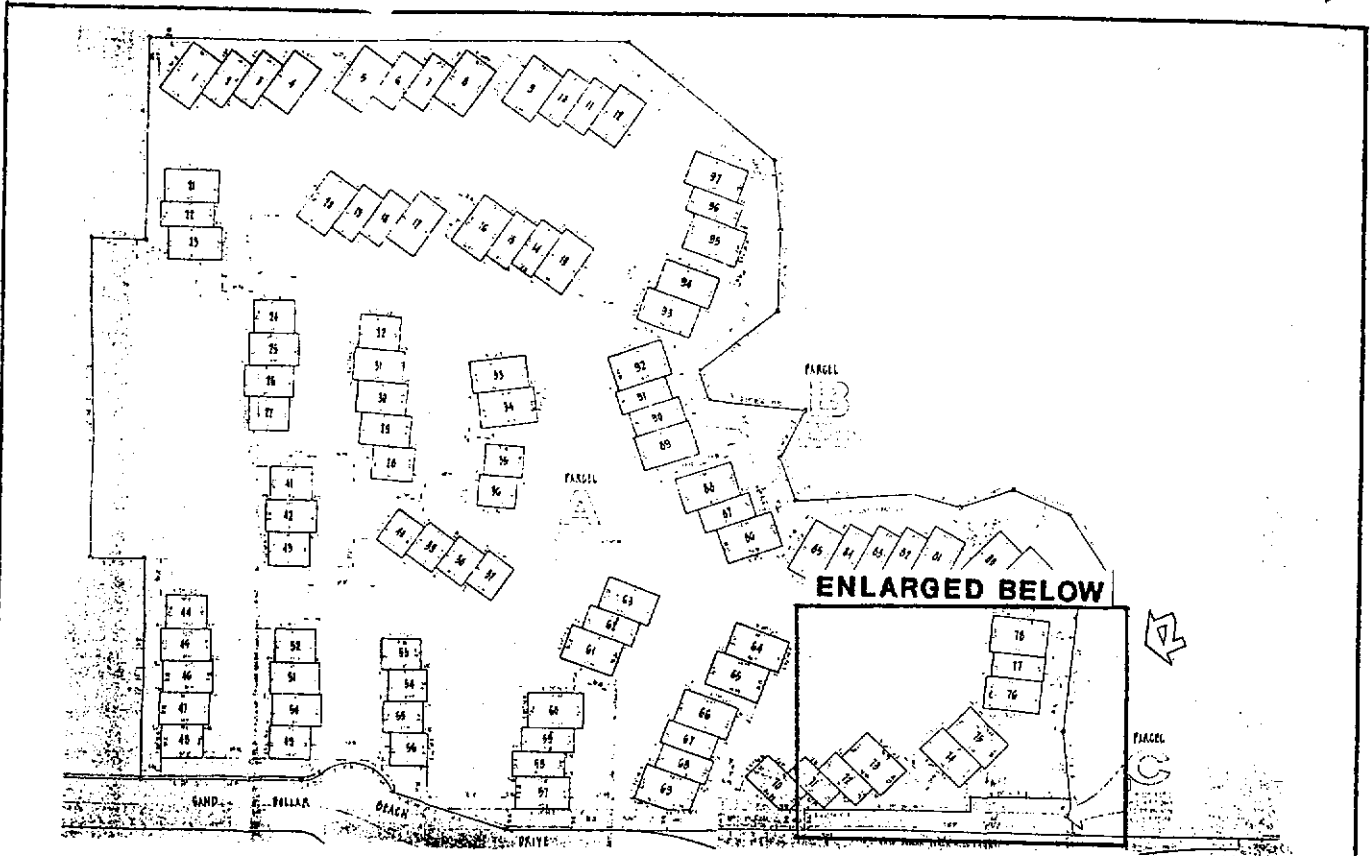


SITE

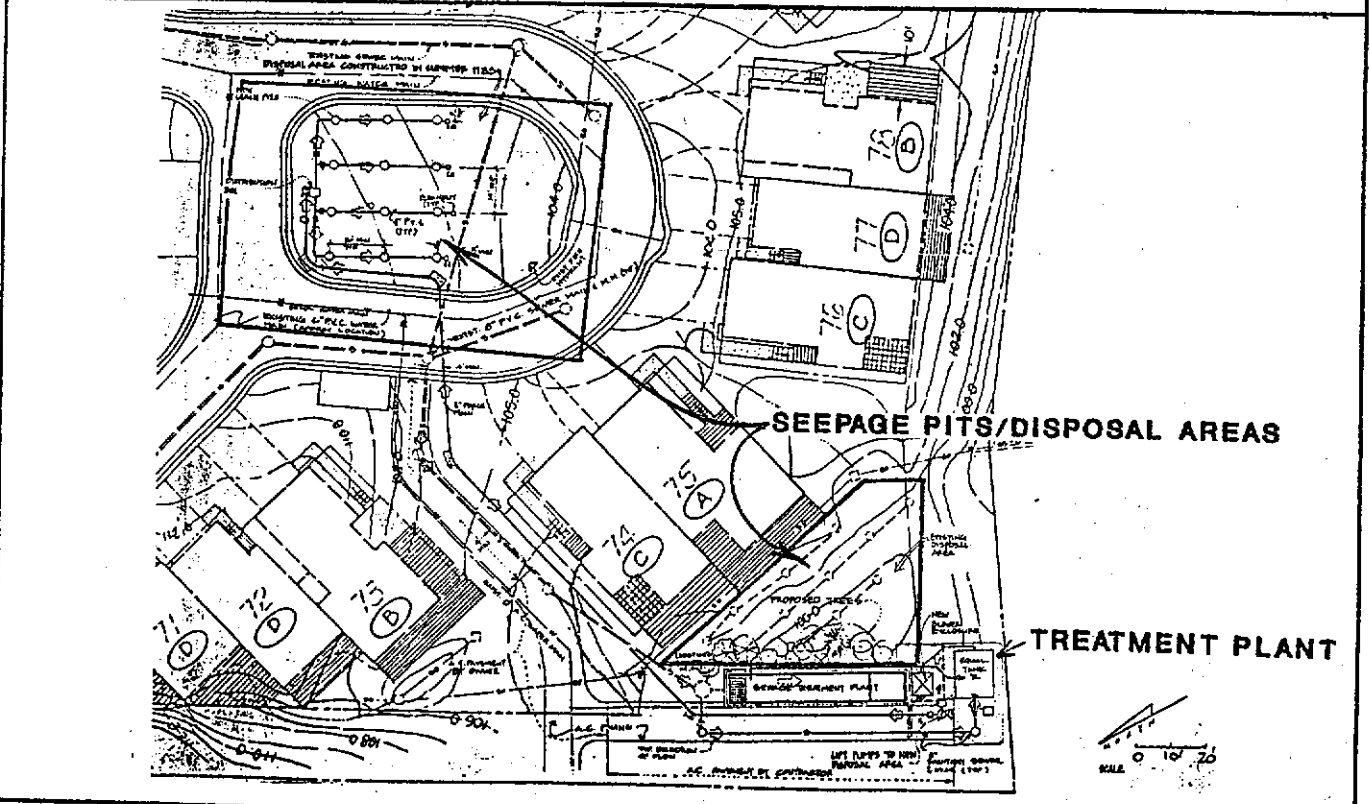
ATTACHMENT A VICINITY MAP CANON DEL SOL



SCALE 1:24000



SITE PLAN



**ATTACHMENT B
SITE PLAN
TREATMENT PLANT
SEEPAGE PITS/DISPOSAL AREAS**

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

MONITORING AND REPORTING PROGRAM NO. 89-64

FOR

SANTA CRUZ COUNTY SERVICE AREA NO. 5,

CANON DEL SOL

SANTA CRUZ COUNTY

INFLUENT MONITORING

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum sampling and Analyzing Frequency</u>
Daily flow	Gals/day	Meter	Weekly
Average daily flow	Gals/day	Meter	Calculated Quarterly

EFFLUENT MONITORING

Effluent samples shall be obtained from the effluent distribution box and analyzed for the following constituents:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Settleable Solids	ml/l	Grab	Weekly
Suspended Solids	mg/l	Grab	Monthly
Total Dissolved Solids	mg/l	Grab	Semi-Annually (March & Sept.)
Chloride	mg/l	Grab	" "
pH	--	Grab	" "
Total Kjeldahl Nitrogen	mg/l	Grab	" "

REPORTING

Monitoring reports shall be submitted to the Board semi-annually by the 20th day of April and October.

IMPLEMENTATION

This monitoring and reporting program shall be implemented beginning June 1, 1989.

ORDERED BY William R. Leonard
Executive Officer

May 12, 1989

Date

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