ID#3 421016001

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

81 Higuera Street, Suite 200
San Luis Obispo, CA 93401-5427

ORDER NO. 92-50

WASTE DISCHARGE REQUIREMENTS FOR LAGUNA BLANCA SCHOOL, SANTA BARBARA COUNTY

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

1. Arthur J. Merovick filed a Report of Waste Discharge on August 27, 1991, in accordance with Section 13260 of the California Water Code. The Report was filed on behalf of Laguna Blanca School for authorization to discharge domestic waste within the Santa Barbara sub-basin. The information supports a request for expansion of the existing wastewater treatment and disposal system.

2. Laguna Blanca School (hereafter Discharger), 4125 Paloma Drive, Santa Barbara, operates a wastewater treatment and disposal system located in Santa Barbara County along Paloma Drive and Estrella Drive, in the City of Santa Barbara. The facilities are in T4N, R28W SB B&M, and are shown on Attachment A included with this Order.

3. An average of 12,500 gallons-per-day (gpd) (47m^3/day) of treated domestic wastewater is discharged at this facility. The existing treatment system consists of six septic tanks with individual volume capacities of 500 to 4,000 gallons. Wastewater is discharged to dry well/leachfield systems. The proposed expansion will include a 2,000 gallon septic tank and 1,200 square feet of leachfields designed to accommodate 610 gallons-per-day of domestic wastewater. Total estimated disposal capacity will be 15,000 gallons per day (57 m^3/day).

4. Laguna Blanca School conducts chemistry classes with laboratory activities. All chemistry lab experiments are dry lab tests. No toxic materials or chemicals are introduced into the septic system.

5. The septic systems are located on gently sloping topography consisting of brown and tan silty fine sands. Depth to ground water from on-site borings is approximately 40 feet below ground surface. Ground water beneath the site flows to the southeast.

6. These waste discharge requirements are the first to be issued to the discharger.

7. The Water Quality Control Plan, Central Coast Basin (Basin Plan), was adopted by the Board on November 17, 1989. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.

8. Present and anticipated beneficial uses of groundwater in the vicinity of the discharge include:

   a. Domestic and Municipal Supply;
   b. Agricultural Supply; and,
   c. Industrial Supply.

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 and potential adverse changes in water quality due to the discharge.

10. On July 3, 1992, the Board notified the Discharger and interested agencies and persons of its intent to issue 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 September 11, 1992, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Laguna Blanca School, its agents, successors, and assigns, may discharge waste by the aforedescribed system, 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 D.2 of this Order.)

A. PROHIBITIONS

1. Discharge to areas other than dry well/leachfield/ leachline disposal areas shown in Attachments B & C is prohibited.

2. Discharge of any wastes including overflow, bypass, and seepage from transport, treatment, or disposal systems to adjacent drainageways or adjacent properties or on the ground surface, is prohibited.

3. Surfacing of effluent on the ground surface is prohibited.

4. Bypass of septic tanks and discharge of untreated or partially treated wastes directly to subsurface disposal areas is prohibited.

5. Discharge from the chemical laboratory is prohibited except for domestic wastewater and wash water.

6. Discharge of any wastewater within 100 feet of any domestic, agricultural or industrial/commercial water supply well is prohibited.

7. Discharge from water softening regeneration systems is prohibited.

B. DISCHARGE SPECIFICATIONS

1. Daily flow averaged over each month shall not exceed 15,000 gallons (57 m^3).

   Flow limits are not an entitlement, but a maximum allowable capacity provided all other conditions of this Order are met.

2. Effluent discharged to disposal areas shall not have a pH less than 6.5 or greater than 8.4.

3. Extraneous surface drainage shall be excluded from disposal areas.

4. Seepage pits/dry wells shall have at least 15 feet separation between pit bottom and highest useable ground water, including perched ground water.

5. For septic tanks without such structures, risers to the ground surface and manholes shall be installed over the tank inspection ports and access ports.

6. The public shall not have contact with wastewater as a result of the treatment and disposal operations.

C. GROUND WATER LIMITATIONS

1. The discharge shall not cause nitrate concentrations in ground water downgradient of the disposal area to exceed 8 mg/l (as N).

2. 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.

3. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4 and 5 of the California Code of Regulations.

D. PROVISIONS

1. Discharger shall comply with "Monitoring and Reporting Program No. 92-50," 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, except A.11, A.17 and C.16.

3. Wastewater treatment system repairs and expansions shall be made in accordance with this Board's Basin Plan.

4. Offsite regeneration practices shall be used for water softeners.

5. Discharger shall operate and maintain all wastewater facilities in accordance with an Operations Manual for the school that is subject to the approval of the Executive Officer. The Operations Manual, including a copy of as-built plans, shall be periodically updated whenever there is a change in operational procedures or an expansion of the system.

6. 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 March 11, 1997, 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.

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 September 11, 1992.

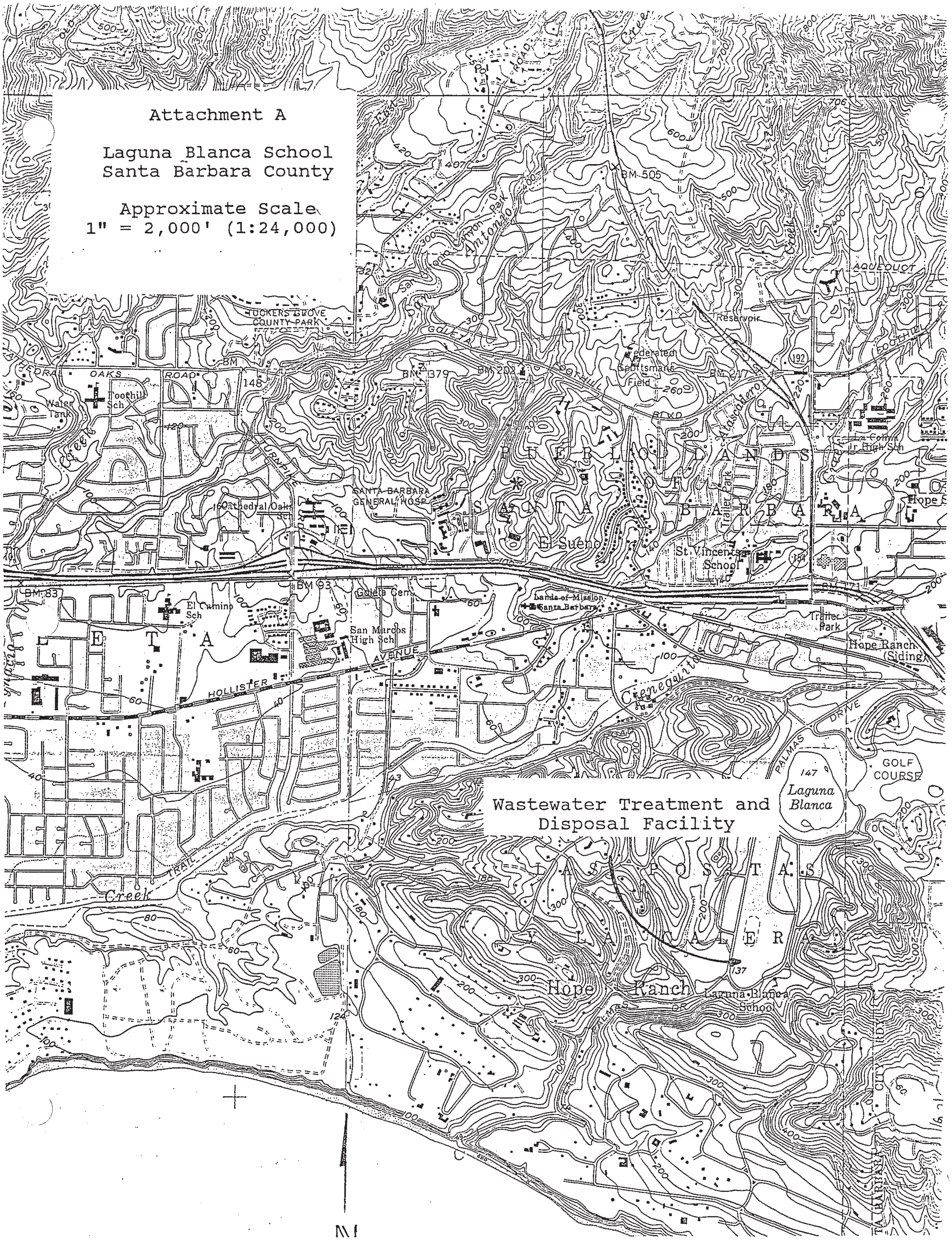
EXECUTIVE OFFICER

sm43:Laguna.WDR

Attachment A

Laguna Blanca School
Santa Barbara County

Approximate Scale
1" = 2,000' (1:24,000)

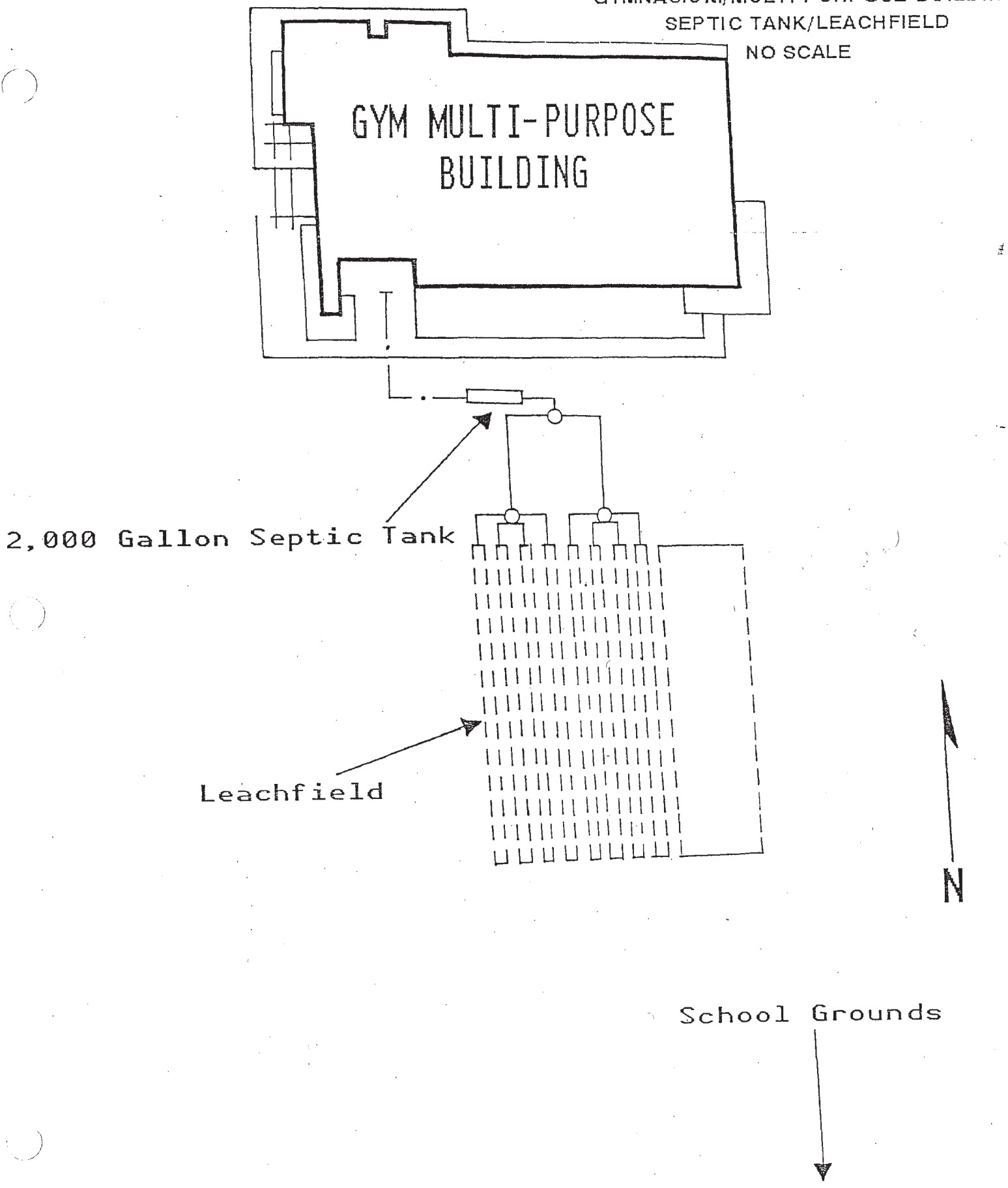

Wastewater Treatment and
Disposal Facility
Laguna Blanca
Laguna Blanca School
Hope Ranch
GOLF COURSE
TUCKERS GROVE
COUNTY PARK
SANTA BARBARA
GENERAL HOSP
San Marcos
High Sch
El Camino
Sch
Foothill
Sch
St. Vincents
School
Federated
Sportsmans
Field
Reservoir
AQUEDUCT
El Sueno
Goleta Cem
Lands of Mission
Santa Barbara
Trailer
Park
Hope Ranch
(Siding)
HOLLISTER
AVENUE
TURNPIKE
CATHEDRAL OAKS ROAD
FOOTHILL BLVD
PALMAS DRIVE
TRAIL
Creek
Cieneguitas
Atascadero
Water
Tank
PUEBLO LANDS OF SANTA BARBARA
LAS POSITAS Y LA CALERA
BM 505
BM 379
BM 202
BM 217
BM 93
BM 83
BM 171
BM 148
192

ATTACHMENT B

GYMNASIUM/MULTI-PURPOSE BUILDING

SEPTIC TANK/LEACHFIELD

NO SCALE



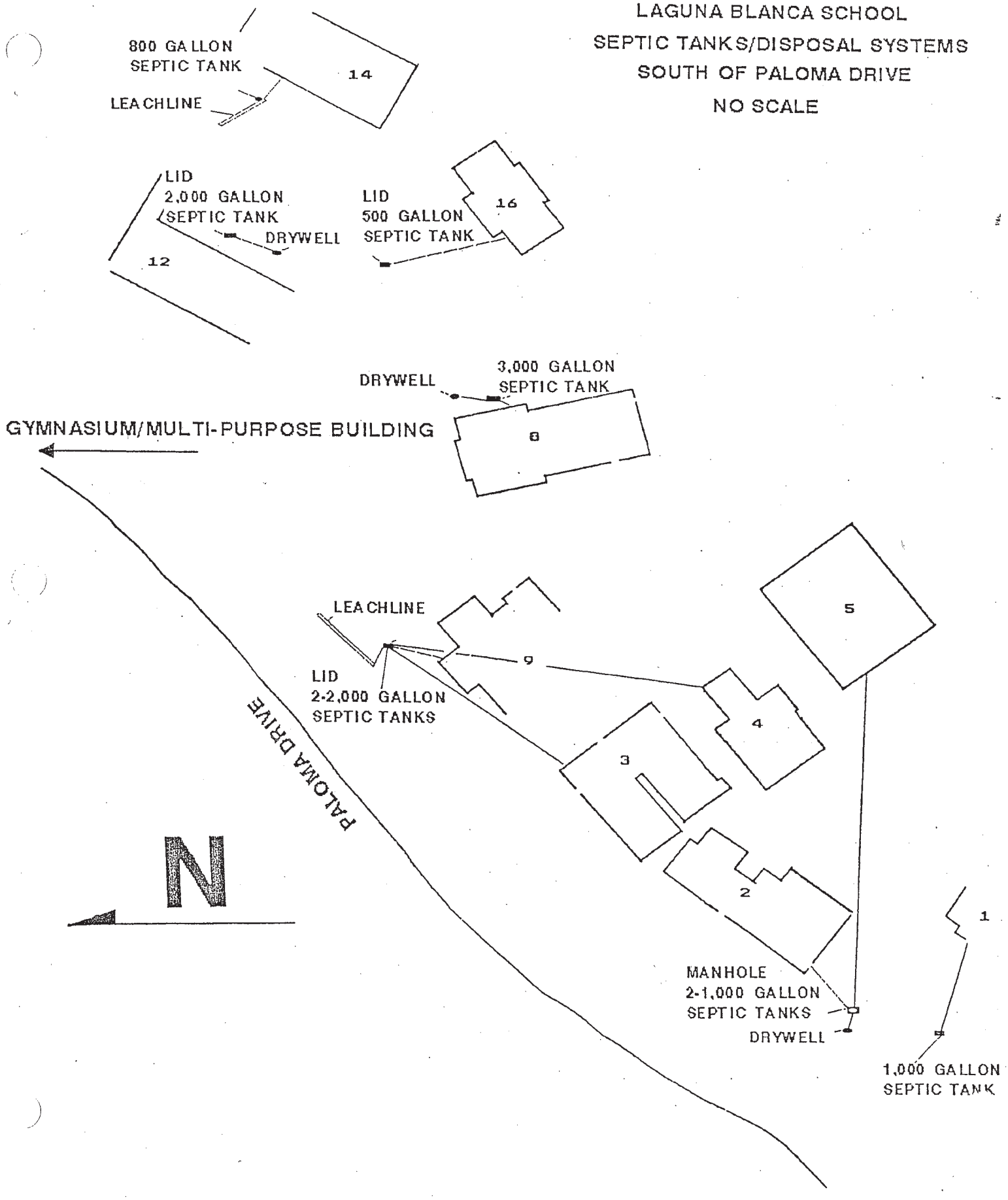
ATTACHMENT C

LAGUNA BLANCA SCHOOL

SEPTIC TANKS/DISPOSAL SYSTEMS

SOUTH OF PALOMA DRIVE

NO SCALE



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

MONITORING AND REPORTING PROGRAM NO. 92-50
FOR
LAGUNA BLANCA SCHOOL,
SANTA BARBARA COUNTY

Effluent Monitoring

Monitoring of septic tank effluent shall include the following:

Parameter	Units	Type of Sample	Sampling Frequency
Daily Flow	gals/day	--	Total estimated average daily flow rate for each month.

Representative samples of wastewater discharged to the disposal area serving chemistry laboratory activities shall be collected and analyzed for the following constituents:

Constituent	Units	Type of Sample	Frequency
Total Dissolved Solids	mg/l	Grab	Annually (April)
pH	--	Grab	" "

Septic Tank Maintenance

Septic tanks shall be inspected and pumped as described below. The inspection is not required during the year it is pumped.

Parameter	Units	Type of Measurement	Minimum Inspection Frequency
Sludge depth and scum thickness in each compartment of each septic tank	Feet	Staff Gauge	Annually (by April of each each year)
Distance between bottom of scum layer and bottom of outlet device	Inches	Staff Gauge	" "
Distance between top of sludge layer and bottom of outlet device	Inches	Staff Gauge	" "

Septic tanks shall be pumped when any one of the following conditions exist, or may occur before the next inspection:

a. The combined thickness of sludge and scum exceeds one-third of the tank depth of the first compartment; or,

b. The scum layer is within three inches of the outlet device; or,

c. The sludge layer is within eight inches of the outlet device.

In lieu of septic tank measuring, the septic tanks may be pumped annually.

Ground Water Monitoring

By January 1, 1993, Discharger shall install or locate monitoring wells upgradient and downgradient of the disposal area. Discharger shall be responsible for determining direction of groundwater flow and level to determine the appropriate location and depth of upgradient and downgradient monitoring wells. Prior to the installation of monitoring wells, Discharger must submit to the Executive Officer (EO) a report discussing the proposed location and depth of the monitoring wells and the technical justification of the proposal. The monitoring wells shall meet or exceed well standards contained in the Department of Water Resources Bulletins 74-81 and 74-90. Discharger shall also comply with the monitoring well reporting provisions of Section 13750 through 13755 of the California Water Code.

After depth to groundwater has been measured, the wells shall be purged and samples shall be collected and analyzed for each of the following:

Parameter	Units	Type of Sample	Minimum Sampling and Analyzing Frequency
Depth to Groundwater	feet	Measured	Annually (April)
Nitrate Nitrogen (as N)	mg/l	Grab	" "
Total Dissolved Solids	mg/l	Grab	" "
Sodium	mg/l	Grab	" "
Chloride	mg/l	Grab	" "
pH	--	Grab	" "

Disposal Area Monitoring

The disposal areas shall be inspected at least monthly for surfacing effluent, saturated surface areas, and odors. Evidence of any condition of this nature shall be reported to the Executive Officer within 24 hours of being discovered and promptly investigated and remedied. A record shall be kept of dates, nature of observations, remedies and when disposal areas are alternated.

Reporting

Reports shall be submitted annually by the 20th of May and shall contain all data collected or calculated over the previous year. Reports shall also state the disposal location of waste chemicals generated by science laboratory activities.

ORDERED By _____
Executive Officer

September 11, 1992
Date

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